

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

6 HOUR CREATININE CLEARANCE----LAB5162

Collection Requirements

123040736-CREATININE- 6HR URINE	Sex/Age	Panic Range	Reference Range
	Male		800 - 2000 MG/ 6HF
	Female		600 - 1800 MG/ 6HF
123040735-CREATININE CLEARANCE	Sex/Age	Panic Range	Reference Range
	Male		107 - 139 ML CLEA
	Female		87 - 107 ML CLEAR
123040741-CREATININE-URINE	Sex/Age	Panic Range	Reference Range
	150 Years		1 - 4500 mg/dL
123040954-GLOMERULAR FILTRATION RATE	Sex/Age	Panic Range	Reference Range
	150 Years		60 mL/min/1.73 mE

ACETAMINOPHEN-SERUM----LAB43

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Serum or plasma is the recommended specimen. Whole blood cannot be used. The anticoagulants EDTA, heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay.\par }

123040083-ACETAMINOPHEN	Sex/Age	Panic Range	Reference Range
	150 Years	> 150	10 - 25 mcg/mL

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Test/Component

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.5mL.

123040235-APCR RATIO

Sex/Age

Panic Range

Reference Range

1.88

Collection Requirements A. Serum is the recommended sample. B. Maternal serum samples should be obtained between 15 and 20 weeks of gestation. Valid measurements of AFP in maternal serum CANNOT be made after amniocentesis. Maternal serum samples MUST be drawn PRIOR to amniocentesis. C. Observe the following recommendations for handling, processing, and storing blood samples: 1. Collect all blood samples observing routine precautions for venipuncture. 2. Allow serum samples to clot completely before centrifugation. 3. Keep tubes stoppered at all times. 4. Within two hours after centrifugation, transfer at least 500 µL of cell-free sample to a storage tube. Tightly stopper the tube immediately. 5. Store samples tightly stoppered at room temperature (15 to 30°C) for no longer than eight hours. 6. If the assay will not be complete

123040124-ALPHA FETOPROTEIN-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

9.0 NG/ML

AKI RISK SCORE----LAB5105

Collection Requirements Urine- Sterile Cup

123000125-AKI RISK SCORE

Sex/Age

Panic Range

Reference Range

150 Years

.0 - 10.0 Score

Result Component Reference Ranges

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Test/Component

ALBUMIN, BCG-SERUM----LAB45

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum, heparinized or EDTA
Requirements plasma samples, free from hemolysis, are the recommended specimens. Separate from blood cells as soon
as possible.\par }

123040112-ALBUMIN,BCG-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

3.5 - 5.0 gm/dL

ALBUMIN, FLUID----LAB177

Collection
Requirements

123040113-ALBUMIN,FLUID

Sex/Age

Panic Range

Reference Range

150 Years

1.5 - 6.0

ALBUMIN,IMMUNO-CSF----LAB2131

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 CSF samples must be
Requirements centrifuged prior to analysis to remove possible cellular and bacterial contaminants.\par }

123040114-ALBUMIN,IMMUNOLOGIC-CSF

Sex/Age

Panic Range

Reference Range

150 Years

.6 - 6000.0 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

ALBUMIN,IMMUNO-SERUM----LAB2341

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum samples should be collected in the manner routinely used for any clinical laboratory test. Freshly drawn serum from a fasting individual is preferred.\par }

123040115-ALBUMIN,IMMUNO-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

22 - 6000 mg/dL

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Urine is the recommended specimen. The specimen should be a fresh or a 24 hour urine.\par }

123041577-ALBUMIN/CREATININE INDEX

Sex/Age

Panic Range

Reference Range

150 Years

30.0 mg/gm

123042689-ALBUMIN-URINE

Sex/Age

Panic Range

Reference Range

999 Years

.7 - 900.0 mg/dL

123040741-CREATININE-URINE

Sex/Age

Panic Range

Reference Range

150 Years

1 - 4500 mg/dL

ALK PHOS ISOENZYMES-LC-QD----LAB741

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Patient Preparation : Overnight fasting is preferred\par Preferred Specimen(s): Gold Top - 2 mL serum\par Collection Instructions: Age and sex of patient are necessary for interpretation of results\par }

Result Component Reference Ranges

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Test/Component

319-ALK PHOSPHATASE, REFERRAL -QUEST

Sex/Age

Panic Range

Reference Range

Male, 27 Days		75 - 316 U/L
Female, 9 Years		184 - 415 U/L
Male, 12 Years		91 - 476 U/L
Female, 12 Years		104 - 471 U/L
Male, 15 Years		92 - 468 U/L
Female, 15 Years		41 - 244 U/L
Male, 19 Years		48 - 230 U/L
Female, 19 Years		47 - 176 U/L
Male, 49 Years		40 - 115 U/L
Female, 49 Years		33 - 115 U/L
Male, 150 Years		40 - 115 U/L
Female, 27 Days		48 - 406 U/L
Female, 150 Years		33 - 130 U/L
Male, 11 Months		82 - 383 U/L
Female, 11 Months		124 - 341 U/L
Male, 3 Years		104 - 345 U/L
Female, 3 Years		108 - 317 U/L
Male, 6 Years		93 - 309 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 6 Years

96 - 297 U/L

Male, 9 Years

47 - 324 U/L

ALK PHOSPHATASE-SERUM----LAB112

Collection
Requirements

173-ALKALINE PHOSPHATASE SERUM

Sex/Age

Panic Range

Reference Range

Male, 27 Days

75 - 316 U/L

Female, 9 Years

184 - 415 U/L

Male, 12 Years

91 - 476 U/L

Female, 12 Years

104 - 471 U/L

Male, 15 Years

92 - 468 U/L

Female, 15 Years

41 - 244 U/L

Male, 19 Years

48 - 230 U/L

Female, 19 Years

47 - 176 U/L

Male, 49 Years

38 - 126 U/L

Female, 49 Years

38 - 126 U/L

Male, 150 Years

38 - 126 U/L

Female, 27 Days

48 - 406 U/L

Female, 150 Years

38 - 141 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 11 Months	82 - 383 U/L
Female, 11 Months	124 - 341 U/L
Male, 3 Years	104 - 345 U/L
Female, 3 Years	108 - 317 U/L
Male, 6 Years	93 - 309 U/L
Female, 6 Years	96 - 297 U/L
Male, 9 Years	47 - 324 U/L

ALPHA-1 ANTITRYPSIN - SERUM----LAB310

Collection Requirements Serum samples are the recommended specimens. Serum samples should be collected in the manner routinely used for any clinical laboratory test. Freshly drawn serum from a fasting individual is preferred.

123040125-ALPHA-1 ANTITRYPSIN

Sex/Age

Panic Range

Reference Range

150 Years

60 - 600 mg/dL

ALPHA-2 MACROGLOBULIN----LAB2005

Collection Requirements Serum samples are the recommended specimens. Serum samples should be collected in the manner routinely used for any clinical laboratory test. Freshly drawn serum from a fasting individual is preferred.

123040128-ALPHA-2 MACROGLOBULIN

Sex/Age

Panic Range

Reference Range

Male

40 - 1440 mg/dL

Female

40 - 1440 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

AMIKACIN-SERUM,PEAK----LAB2909

Collection Requirements Amikacin assay requires serum or plasma. Whole blood cannot be used. Acceptable anticoagulants are EDTA, citrate and oxalate. In an in vitro study conducted at Siemens Healthcare Diagnostics, amikacin was added to serum and to plasma processed with heparin. Quantitation of amikacin in plasma was compared to that in serum, and not significant difference was observed. However, heparin has been shown to interfere with the measurement of amikacin, therefore, the use of blood collection tubes containing heparin is not encouraged.

488-AMIKACIN PEAK	Sex/Age	Panic Range	Reference Range
	18 Years	> 32.0	2.5 - 250.0 mcg/mL
	150 Years	> 40.0	2.5 - 250.0 mcg/mL

AMIKACIN-SERUM,RANDOM----LAB2908

Collection Requirements Amikacin assay requires serum or plasma. Whole blood cannot be used. Acceptable anticoagulants are EDTA, citrate and oxalate. In an in vitro study conducted at Siemens Healthcare Diagnostics, amikacin was added to serum and to plasma processed with heparin. Quantitation of amikacin in plasma was compared to that in serum, and not significant difference was observed. However, heparin has been shown to interfere with the measurement of amikacin, therefore, the use of blood collection tubes containing heparin is not encouraged.

487-AMIKACIN RANDOM	Sex/Age	Panic Range	Reference Range
	18 Years	> 32.0	2.5 - 250.0 mcg/mL
	150 Years	> 60.0	2.5 - 250.0 mcg/mL

AMIKACIN-SERUM,TROUGH----LAB2910

Collection Requirements Amikacin assay requires serum or plasma. Whole blood cannot be used. Acceptable anticoagulants are EDTA, citrate and oxalate. In an in vitro study conducted at Siemens Healthcare Diagnostics, amikacin was added to serum and to plasma processed with heparin. Quantitation of amikacin in plasma was compared to that in serum, and not significant difference was observed. However, heparin has been shown to interfere with the measurement of amikacin, therefore, the use of blood collection tubes containing heparin is not encouraged.

489-AMIKACIN TROUGH	Sex/Age	Panic Range	Reference Range
	18 Years	> 10.0	2.5 - 250.0 mcg/mL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

150 Years

> 10.0

2.5 - 250.0 mcg/mL

AMMONIA-WHOLE BLOOD----LAB47

Collection Requirements `{\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 *** Collect on Ice *****\par }`

123040148-AMMONIA-WHOLE BLOOD

Sex/Age

Panic Range

Reference Range

150 Years

11 - 35 Mcmol/L

AMYLASE- 24 HOUR URINE----LAB6001

Collection Requirements `{\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Collect urine in a 24 hour urine container\par }`

123040180-AMYLASE, TOTAL-URINE

Sex/Age

Panic Range

Reference Range

150 Years

0 - 320 U/L

AMYLASE, BODY FLUID----LAB178

Collection Requirements

123040178-AMYLASE, TOTAL-FLUID

Sex/Age

Panic Range

Reference Range

150 Years

10 - 20000 u/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma, free from hemolysis, is the recommended specimen. Separate from blood cells as soon as possible.\par }

123040179-AMYLASE, TOTAL-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

26 - 92 U/L

AMYLASE, HID----LAB5570

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma, free from hemolysis, are the recommended specimens. Remove serum from clot as soon as possible to minimize hemolysis. Citrate and oxalate anticoagulants interfere with the assay.\par }

123043023-AMYLASE, HID

Sex/Age

Panic Range

Reference Range

150 Years

26 - 92 U/L

AMYLASE, TOTAL-URINE----LAB2137

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Non-acidified urines with random or timed collections are valid specimens.\par }

123040180-AMYLASE, TOTAL-URINE

Sex/Age

Panic Range

Reference Range

150 Years

0 - 320 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

ANA EXTENDED PANEL----LAB2407

Collection
Requirements

123040211-ANTICENTROMERE AB UNITS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 999 AU/ML
123040224-ANTI HISTONE AB UNITS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 999 AU/ML
305-DS-DNA ANTIBODY	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 1000000 IU/ML
123041407-JO-1 AB UNITS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 999 AU/ML
123042223-RNP ANTIBODY UNITS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 999 AU/ML
123042270-SCL-70 ANTIBODY UNITS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 999 AU/ML
123042327-SMITH(SM) AB UNITS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 999 AU/ML
123042378-SSA(RO) AB UNITS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 999 AU/ML

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042380-SSB(LA) AB UNITS

Sex/Age

Panic Range

Reference Range

0 - 999 AU/ML

ANTICENTROMERE ANTIBODY----LAB2007

Collection
Requirements

123040211-ANTICENTROMERE AB UNITS

Sex/Age

Panic Range

Reference Range

0 - 999 AU/ML

ANTIHISTONE ANTIBODY----LAB2008

Collection Requirements {rft1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Only freshly drawn and properly refrigerated sera obtained by approved aseptic venipuncture procedures should be used in this assay. No anticoagulants or preservatives should be added. Avoid using hemolyzed, icteric, lipemic, or bacterially contaminated sera. samples are collected by approved phlebotomy staf or other staff trained in blood collection procedures.\par }

123040224-ANTIHISTONE AB UNITS

Sex/Age

Panic Range

Reference Range

0 - 999 AU/ML

ANTI-STREPTOLYSIN O----LAB1178

Collection
Requirements

123040231-ANTI-STREPTOLYSIN O

Sex/Age

Panic Range

Reference Range

150 Years

170 - 340 I.U./mL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

ANTITHROMBIN ACTIVITY----LAB311

Collection Requirements

123040232-ANTITHROMBIN ACTIVITY

Sex/Age

Panic Range

Reference Range

80 - 120 %

APTT----LAB325

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3mL. Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.

123042758-APTT

Sex/Age

Panic Range

Reference Range

18 Years

> 90.0

16.0 - 250.0 sec

> 120.0

25.1 - 36.5 sec

APTT-HEPZYMED----LAB2346

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3ml. Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.

123040249-APTT,HEPZYMED

Sex/Age

Panic Range

Reference Range

18 Years

> 90.0

25.1 - 36.5 sec

> 120.0

25.1 - 36.5 sec

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Submit BAL specimen in a purple top, sterile or non-sterile specimen container.\par }

320-WBC COUNT-FLUID

Sex/Age

Panic Range

Reference Range

0 - 10 /mCL

BAL CELL COUNT W/DIFF----LAB2806

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Submit BAL specimen in a purple top, sterile or non-sterile specimen container.\par }

123042959-% ALVEOLAR MACROPHAGES

Sex/Age

Panic Range

Reference Range

85 %

123042961-% EOSINOPHILS

Sex/Age

Panic Range

Reference Range

1 %

123040943-% EPITHELIAL CELLS

Sex/Age

Panic Range

Reference Range

5 %

123042960-% LYMPHS

Sex/Age

Panic Range

Reference Range

10 - 15 %

123042952-% NEUTROPHILS

Sex/Age

Panic Range

Reference Range

3 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Allow specimen to clot completely at room temperature. Separate serum or plasma from cells ASAP.

1558170-CALCIUM	Sex/Age	Panic Range	Reference Range
		> 13.0 or < 5.0	8.7 - 10.7 mg/dL
1558043-GLUCOSE RANDOM	Sex/Age	Panic Range	Reference Range
		> 500 or < 40	60 - 200 mg/dL

BASIC METABOLIC PANEL,HID----LAB5564

Collection Requirements Serum or heparinized plasma samples, free from hemolysis, are the recommended specimens. The use of anticoagulants which bind magnesium, such as EDTA, oxalate and citrate, must be avoided.

123043012-CALCIUM,HID	Sex/Age	Panic Range	Reference Range
	150 Years	> 14	8.9 - 10.3 mg/dL
123043013-CHLORIDE,HID	Sex/Age	Panic Range	Reference Range
	150 Years		101 - 111 mmol/L
123043014-CREATININE,HID	Sex/Age	Panic Range	Reference Range
	Female, 150 Years		.4 - 1 mg/dL
	Male, 150 Years		.7 - 1.2 mg/dL
123043015-GLUCOSE,HID	Sex/Age	Panic Range	Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Checking Type	Panic Range	Reference Range
123043021-LDH,HID	8 Days	> 150 or < 40	70 - 125 mg/dL
	18 Years	> 400 or < 50	70 - 125 mg/dL
	150 Years	> 500 or < 50	70 - 125 mg/dL
123043022-MAGNESIUM,HID	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		91 - 180 U/L
123043016-POTASSIUM,HID	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 4.7 or < 1.2	1.5 - 2.6 mg/dL
123043017-SODIUM,HID	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	30 Days	> 7 or < 2.5	2.5 - 7 mmol/L
	150 Years	> 6 or < 2.5	3.4 - 5.1 mmol/L
123043019-TCO2,HID	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	30 Days	> 150 or < 120	132 - 144 mmol/L
	150 Years	> 160 or < 120	132 - 144 mmol/L
123043011-UREA NITROGEN,HID	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 40 or < 10	22 - 32 mmol/L
123043011-UREA NITROGEN,HID	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 150	8 - 22 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Serum is the specimen of choice. Plasma collected with EDTA, heparin or sodium fluoride is also acceptable. Serum or plasma HBA levels are stable for 7 days if stored at 2 - 8 °C.

123040331-BETAHYDROXYBUTYRATE-SERUM

Sex/Age

150 Years

Panic Range

Reference Range

.02 - .27 mmol/L

Collection Requirements Serum, heparinized or EDTA plasma samples, are the recommended specimens. Samples should be protected from light.

123040341-BILIRUBIN,DIRECT-SERUM

Sex/Age

150 Years

Panic Range

Reference Range

.5 mg/dL

123040344-BILIRUBIN,TOTAL-SERUM

Sex/Age

30 Days

150 Years

Panic Range

> 16.0

Reference Range

.3 - 12.0 mg/dL

.3 - 1.6 mg/dL

Collection Requirements

123040340-BILIRUBIN,DIRECT-NEONATE

Sex/Age

Panic Range

Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040345-BILIRUBIN-TOTAL, NEONATE	Sex/Age	Panic Range	Reference Range
	30 Days		.1 mg/dL
	1 Days	> 16.0	.1 mg/dL
	2 Days	> 16.0	.1 mg/dL
	5 Days	> 16.0	.1 mg/dL
	128 Years		.1 mg/dL

BILIRUBIN, BODY FLUID----LAB182

Collection Requirements

123040343-BILIRUBIN,TOTAL-FLUID	Sex/Age	Panic Range	Reference Range
	150 Years		.1 - 30.0 mg/dL

BILIRUBIN, DIRECT-SERUM----LAB52

Collection Requirements {rtf1\ansi\deflang1033\fnbj{\fonttbl{\f0 \modern \fcharset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma samples, free from hemolysis, are the recommended specimens. Protect specimen from light and assay as soon as possible.\par }

123040341-BILIRUBIN,DIRECT-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years		.5 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

BILIRUBIN, TOTAL-SERUM----LAB50

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum, heparinized or EDTA
Requirements plasma samples, are the recommended specimens. Samples should be protected from light.\par }

123040344-BILIRUBIN,TOTAL-SERUM

Sex/Age

Panic Range

Reference Range

30 Days

> 16.0

.3 - 12.0 mg/dL

150 Years

.3 - 1.6 mg/dL

BILIRUBIN,DIRECT-FLUID----LAB2142

Collection
Requirements

123040339-BILIRUBIN,DIRECT-FLUID

Sex/Age

Panic Range

Reference Range

150 Years

.1 mg/dL

BLD GAS + LACTATE-ARTERIAL----LAB5027

Collection
Requirements

123041931-POCT BASE EXCESS-ARTERIAL

Sex/Age

Panic Range

Reference Range

-2.0 - 2.0 mEq/L

123042792-POCT LACTATE-ARTERIAL

Sex/Age

Panic Range

Reference Range

Result Component Reference Ranges

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Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041955-POCT PCO2-ARTERIAL	150 Years		.36 - 1.25 mmol/L
	Female, 6 Months		30 - 35 TORR
	Female		40 - 45 TORR
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041963-POCT PH-ARTERIAL	Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.00 - 7.60
	Male	> 7.60 or < 7.00	7.35 - 7.45
	181 Days		60 - 90 TORR 80 - 110 TORR
123041971-POCT PO2-ARTERIAL			60 - 90 TORR 80 - 110 TORR
			80 - 110 TORR
123041976-POCT SO2 (METER)-ARTERIAL			0 - 100 %
			5 - 50 TORR
123041984-POCT TCO2(METER)-ARTERIAL			5 - 50 TORR

Result Component Reference Ranges

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Test/Component

BLD GAS + LACTATE-VEINUS----LAB5028

Collection
Requirements

123041934-POCT BASE EXCESS-VEINUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			-2.0 - 2.0 mEq/L
123041945-POCT HCO3 (METER)-VEINUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			1 - 85 TORR
123042793-POCT LACTATE-VEINUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		.90 - 1.70 mmol/L
123041958-POCT PCO2-VEINUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			38 - 48 TORR
123041966-POCT PH-VEINUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 7.60 or < 7.00	7.33 - 7.43
123041974-POCT PO2-VEINUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	181 Days		37 - 43 TORR
			37 - 43 TORR
123041979-POCT SO2 (METER)-VEINUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 100 TORR
123041983-POCT TCO2 (METER)-VEINUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

5 - 50 TORR

BLD GAS + LYLES-ARTERIAL CGNI----LAB2488

Collection Requirements

123041931-POCT BASE EXCESS-ARTERIAL	Sex/Age	Panic Range	Reference Range
			-2.0 - 2.0 mEq/L
123041936-POCT CALCIUM,IONIZED (METER)	Sex/Age	Panic Range	Reference Range
		> 1.40 or < .75	.75 - 1.40 mmol/L
123041939-POCT GLUCOSE (METER)	Sex/Age	Panic Range	Reference Range
		> 450 or < 40	70 - 150 mg/dL
123042794-POCT GLUCOSE(METER)	Sex/Age	Panic Range	Reference Range
	150 Years	> 450 or < 40	70 - 150 mg/dL
123041946-POCT HEMATOCRIT (METER)	Sex/Age	Panic Range	Reference Range
	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		15 - 75 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %
	Female		35 - 45 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 30 Days	> 24.1 or < 12.0	5.1 - 25.5 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL

123041951-POCT PCO2,TEMP CORRECTED-AI

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		5 - 130 TORR

123041955-POCT PCO2-ARTERIAL

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Female, 6 Months		30 - 35 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
	Female		40 - 45 TORR
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041959-POCT PH,TEMP CORRECTED-ART.	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			6.50 - 8.20
123041963-POCT PH-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.35 - 7.45
123041967-POCT PO2,TEMP CORRECTED-AR	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			5 - 130 TORR
123041971-POCT PO2-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	181 Days		60 - 90 TORR
			80 - 110 TORR
123041975-POCT POTASSIUM (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 6.0 or < 2.5	2.5 - 6.0 mmol/L
123041976-POCT SO2 (METER)-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 100 %
123041980-POCT SODIUM (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041984-POCT TCO2(METER)-ARTERIAL		> 160 or < 125	135 - 150 mmol/L
BLD GAS + LYLES-ARTERIAL CGOC----LAB2469			
Collection Requirements			
123041931-POCT BASE EXCESS-ARTERIAL			-2.0 - 2.0 mEq/L
123041936-POCT CALCIUM,IONIZED (METER)		> 1.40 or < .75	.75 - 1.40 mmol/L
123042794-POCT GLUCOSE(METER)	150 Years	> 450 or < 40	70 - 150 mg/dL
123041946-POCT HEMATOCRIT (METER)	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %
	Female		35 - 45 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL

123041955-POCT PCO2-ARTERIAL

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Female, 6 Months		5 - 130 TORR
Female		40 - 45 TORR
Male, 6 Months		30 - 35 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041963-POCT PH-ARTERIAL	Male		35 - 45 TORR
	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.40 - 7.45
123041971-POCT PO2-ARTERIAL	Male	> 7.60 or < 7.00	7.35 - 7.45
	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	181 Days		60 - 90 TORR
			80 - 110 TORR
123041975-POCT POTASSIUM (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 6.0 or < 2.5	2.5 - 6.0 mmol/L
123041976-POCT SO2 (METER)-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 100 %
123041980-POCT SODIUM (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 160 or < 125	135 - 150 mmol/L
123041984-POCT TCO2(METER)-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			22 - 32 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

BLD GAS + LYLES-ARTERIAL ECCH----LAB2485

Collection
Requirements

123041930-POCT ANION GAP (METER)	Sex/Age	Panic Range	Reference Range
			8 - 20
123041931-POCT BASE EXCESS-ARTERIAL	Sex/Age	Panic Range	Reference Range
			-2.0 - 2.0 mEq/L
123041937-POCT CHLORIDE (METER)	Sex/Age	Panic Range	Reference Range
			95 - 110 mEq/L
123041939-POCT GLUCOSE (METER)	Sex/Age	Panic Range	Reference Range
		> 450 or < 40	10 - 600 mg/dL
123042794-POCT GLUCOSE(METER)	Sex/Age	Panic Range	Reference Range
	150 Years	> 450 or < 40	70 - 150 mg/dL
123041946-POCT HEMATOCRIT (METER)	Sex/Age	Panic Range	Reference Range
	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female	35 - 45 %
Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL

123041955-POCT PCO2-ARTERIAL

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Female, 6 Months		30 - 35 TORR
Female		40 - 45 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041963-POCT PH-ARTERIAL	Sex/Age	Panic Range	Reference Range
	Female, 181 Days	> 7.60 or < 7.00	7.00 - 7.60
	Male, 181 Days	> 7.60 or < 7.00	7.00 - 7.60
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.35 - 7.45
123041975-POCT POTASSIUM (METER)	Sex/Age	Panic Range	Reference Range
		> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123041980-POCT SODIUM (METER)	Sex/Age	Panic Range	Reference Range
		> 160 or < 125	135 - 150 mmol/L
123041984-POCT TCO2(METER)-ARTERIAL	Sex/Age	Panic Range	Reference Range
			5 - 50 TORR
123041985-POCT UREA NITROGEN (METER)	Sex/Age	Panic Range	Reference Range
		> 150	8 - 22 mg/dL

BLD GAS + LYTES-ARTERIAL EGCL----LAB2475

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041931-POCT BASE EXCESS-ARTERIAL	Sex/Age	Panic Range	Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041946-POCT HEMATOCRIT (METER)	Sex/Age	Panic Range	Reference Range
			-2.0 - 2.0 mEq/L
	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %
	Female		35 - 45 %
	Male, 7 Days		44 - 64 %
	Male, 30 Days		35 - 49 %
	Male, 2 Years		30 - 40 %
	Male, 14 Years		31 - 43 %
123041947-POCT HEMOGLOBIN (METER)	Sex/Age	Panic Range	Reference Range
	Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
	Female, 30 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/dL
	Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
	Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
	Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041955-POCT PCO2-ARTERIAL	Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
	Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
	Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL
123041963-POCT PH-ARTERIAL	Female, 6 Months		30 - 35 TORR
	Female		40 - 45 TORR
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041971-POCT PO2-ARTERIAL	Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.35 - 7.45
123041975-POCT POTASSIUM (METER)			
		> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123041976-POCT SO2 (METER)-ARTERIAL			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041980-POCT SODIUM (METER)			0 - 100 %
		> 160 or < 125	100 - 180 mmol/L
123041984-POCT TCO2(METER)-ARTERIAL			5 - 50 TORR
BLD GAS + LYLES-ARTERIAL G3NI----LAB2466			

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041931-POCT BASE EXCESS-ARTERIAL			-2.0 - 2.0 mEq/L
123041951-POCT PCO2,TEMP CORRECTED-AI			5 - 130 TORR
123041955-POCT PCO2-ARTERIAL	Female, 6 Months		30 - 35 TORR
	Female		40 - 45 TORR
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041959-POCT PH,TEMP CORRECTED-ART.			6.50 - 8.20

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041963-POCT PH-ARTERIAL

Sex/Age

Panic Range

Reference Range

Female, 181 Days

> 7.60 or < 7.00

7.30 - 7.40

Male, 181 Days

> 7.60 or < 7.00

7.30 - 7.40

Female

> 7.60 or < 7.00

7.40 - 7.45

Male

> 7.60 or < 7.00

6.50 - 8.20

123041967-POCT PO2,TEMP CORRECTED-AR

Sex/Age

Panic Range

Reference Range

5 - 130 TORR

123041971-POCT PO2-ARTERIAL

Sex/Age

Panic Range

Reference Range

181 Days

60 - 90 TORR

80 - 110 TORR

123041976-POCT SO2 (METER)-ARTERIAL

Sex/Age

Panic Range

Reference Range

0 - 100 %

123041984-POCT TCO2(METER)-ARTERIAL

Sex/Age

Panic Range

Reference Range

5 - 50 TORR

BLD GAS + LYLES-MICRO CGNI----LAB2489

Collection
Requirements

123041933-POCT BASE EXCESS-MICRO

Sex/Age

Panic Range

Reference Range

-2.0 - 2.0 mEq/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041936-POCT CALCIUM,IONIZED (METER)		> 1.40 or < .75	.90 - 1.20 mmol/L
123041939-POCT GLUCOSE (METER)		> 450 or < 40	70 - 150 mg/dL
123042794-POCT GLUCOSE(METER)	150 Years	> 450 or < 40	40 - 450 mg/dL
123041944-POCT HCO3 (METER)-MICRO			1 - 85 TORR
123041946-POCT HEMATOCRIT (METER)	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %
	Female		35 - 45 %
	Male, 7 Days		44 - 64 %
	Male, 30 Days		35 - 49 %
	Male, 2 Years		30 - 40 %
	Male, 14 Years		31 - 43 %
123041947-POCT HEMOGLOBIN (METER)			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
	Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
	Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
	Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
	Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
	Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL
123041953-POCT PCO2,TEMP CORRECTED-M	Sex/Age	Panic Range	Reference Range
			5 - 130 TORR
123041957-POCT PCO2-MICRO	Sex/Age	Panic Range	Reference Range
	Female, 6 Months		30 - 35 TORR
	Female		40 - 45 TORR
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041961-POCT PH,TEMP CORRECTED-MICRO	Sex/Age	Panic Range	Reference Range
			6.50 - 8.20
123041965-POCT PH-MICRO	Sex/Age	Panic Range	Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.35 - 7.45
123041969-POCT PO2,TEMP CORRECTED-MIC	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			5 - 800 TORR
123041973-POCT PO2-MICRO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	181 Days		5 - 800 TORR
			80 - 110 TORR
123041975-POCT POTASSIUM (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123041978-POCT SO2 (METER)-MICRO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 100 %
123041980-POCT SODIUM (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 160 or < 125	125 - 160 mmol/L
123041982-POCT TCO2 (METER)-MICRO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		22 - 32 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

BLD GAS + LYLES-MICRO CGOC----LAB2470

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041933-POCT BASE EXCESS-MICRO			-2.0 - 2.0 mEq/L
123041936-POCT CALCIUM,IONIZED (METER)		> 1.40 or < .75	.90 - 1.20 mmol/L
123041939-POCT GLUCOSE (METER)		> 450 or < 40	70 - 150 mg/dL
123042794-POCT GLUCOSE(METER)	150 Years	> 450 or < 40	20 - 700 mg/dL
123041944-POCT HCO3 (METER)-MICRO			1 - 85 TORR
123041946-POCT HEMATOCRIT (METER)	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female	35 - 45 %
Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL

123041957-POCT PCO2-MICRO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Female, 6 Months		30 - 35 TORR
Female		40 - 45 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041965-POCT PH-MICRO	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
	Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.35 - 7.45
123041973-POCT PO2-MICRO	181 Days		60 - 90 TORR
			80 - 110 TORR
123041975-POCT POTASSIUM (METER)		> 6.0 or < 2.5	2.0 - 9.0 mmol/L
123041978-POCT SO2 (METER)-MICRO			95 %
123041980-POCT SODIUM (METER)		> 160 or < 125	135 - 150 mmol/L
123041982-POCT TCO2 (METER)-MICRO	999 Years		22 - 32 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

BLD GAS + LYLES-MICRO ECCH----LAB2486

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041930-POCT ANION GAP (METER)			8 - 20
123041933-POCT BASE EXCESS-MICRO			-30.0 - 30.0 mEq/L
123041937-POCT CHLORIDE (METER)			95 - 110 mEq/L
123041939-POCT GLUCOSE (METER)		> 450 or < 40	10 - 600 mg/dL
123042794-POCT GLUCOSE(METER)	150 Years	> 450 or < 40	70 - 150 mg/dL
123041946-POCT HEMATOCRIT (METER)	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female	35 - 45 %
Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 25.5 gm/dL

123041957-POCT PCO2-MICRO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Female, 6 Months		30 - 35 TORR
Female		40 - 45 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041965-POCT PH-MICRO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.35 - 7.45
123041975-POCT POTASSIUM (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123041980-POCT SODIUM (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 160 or < 125	135 - 150 mmol/L
123041982-POCT TCO2 (METER)-MICRO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		22 - 32 TORR
123041985-POCT UREA NITROGEN (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 150	8 - 22 mg/dL

BLD GAS + LYLES-MICRO EGCL----LAB2477

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041933-POCT BASE EXCESS-MICRO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041944-POCT HCO3 (METER)-MICRO			-2.0 - 2.0 mEq/L
			1 - 85 TORR
123041946-POCT HEMATOCRIT (METER)			44 - 64 %
	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %
	Female		35 - 45 %
	Male, 7 Days		44 - 64 %
	Male, 30 Days		35 - 49 %
	Male, 2 Years		30 - 40 %
Male, 14 Years		31 - 43 %	
123041947-POCT HEMOGLOBIN (METER)			14.0 - 24.0 gm/dL
	Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
	Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
	Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL

123041957-POCT PCO2-MICRO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Female, 6 Months		30 - 35 TORR
Female		40 - 45 TORR
Male, 6 Months		30 - 35 TORR
Male		35 - 45 TORR

123041965-POCT PH-MICRO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
Female	> 7.60 or < 7.00	7.40 - 7.45
Male	> 7.60 or < 7.00	7.35 - 7.45

123041973-POCT PO2-MICRO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
181 Days		60 - 90 TORR
		80 - 110 TORR

123041975-POCT POTASSIUM (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041978-POCT SO2 (METER)-MICRO		> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123041980-POCT SODIUM (METER)			0 - 100 %
123041982-POCT TCO2 (METER)-MICRO		> 160 or < 125	135 - 150 mmol/L
	999 Years		22 - 32 TORR

BLD GAS + LYLES-MICRO NGNI----LAB2467

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041933-POCT BASE EXCESS-MICRO			-30.0 - 30.0 mEq/L
123041944-POCT HCO3 (METER)-MICRO			1 - 85 TORR
123041953-POCT PCO2,TEMP CORRECTED-M			5 - 130 TORR
123041957-POCT PCO2-MICRO	Female, 6 Months		5 - 130 TORR
	Female		40 - 45 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041961-POCT PH,TEMP CORRECTED-MICRO	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041965-POCT PH-MICRO			6.50 - 8.20
	Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Male, 181 Days	> 7.60 or < 7.00	7.00 - 7.60
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.35 - 7.45
123041969-POCT PO2,TEMP CORRECTED-MICRO			5 - 800 TORR
123041973-POCT PO2-MICRO	181 Days		60 - 90 TORR
			80 - 110 TORR
123041978-POCT SO2 (METER)-MICRO			0 - 100 %
123041982-POCT TCO2 (METER)-MICRO	999 Years		22 - 32 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

BLD GAS + LYLES-VENOUS CGNI----LAB2490

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041934-POCT BASE EXCESS-VENOUS			-2.0 - 2.0 mEq/L
123041936-POCT CALCIUM,IONIZED (METER)		> 1.40 or < .75	.90 - 1.20 mmol/L
123041939-POCT GLUCOSE (METER)		> 450 or < 40	70 - 150 mg/dL
123042794-POCT GLUCOSE(METER)			
	150 Years	> 450 or < 40	70 - 150 mg/dL
123041945-POCT HCO3 (METER)-VENOUS			1 - 85 TORR
123041946-POCT HEMATOCRIT (METER)			
	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female	35 - 45 %
Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL

123041954-POCT PCO2, TEMP CORRECTED-VI

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		5 - 130 TORR

123041958-POCT PCO2-VENOUS

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041962-POCT PH,TEMP CORRECTED-VENO			38 - 48 TORR
123041966-POCT PH-VENOUS			6.50 - 8.20
123041970-POCT PO2,TEMP CORRECTED-VEI		> 7.60 or < 7.00	7.33 - 7.43
123041974-POCT PO2-VENOUS			5 - 800 TORR
123041975-POCT POTASSIUM (METER)			37 - 43 TORR
123041979-POCT SO2 (METER)-VENOUS			37 - 43 TORR
123041980-POCT SODIUM (METER)			0 - 100 TORR
123041983-POCT TCO2 (METER)-VENOUS			100 - 180 mmol/L
			5 - 50 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

BLD GAS + LYLES-VENOUS ECCH----LAB2487

Collection
Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041930-POCT ANION GAP (METER)			8 - 20
123041934-POCT BASE EXCESS-VENOUS			-2.0 - 2.0 mEq/L
123041937-POCT CHLORIDE (METER)			95 - 110 mEq/L
123041939-POCT GLUCOSE (METER)		> 450 or < 40	70 - 150 mg/dL
123042794-POCT GLUCOSE(METER)	150 Years	> 450 or < 40	70 - 150 mg/dL
123041946-POCT HEMATOCRIT (METER)			
	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female	35 - 45 %
Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL

123041958-POCT PCO2-VENOUS

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		38 - 48 TORR

123041966-POCT PH-VENOUS

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041975-POCT POTASSIUM (METER)		> 7.60 or < 7.00	7.33 - 7.43
123041980-POCT SODIUM (METER)		> 6.0 or < 2.5	2.5 - 6.0 mmol/L
123041983-POCT TCO2 (METER)-VENOUS		> 160 or < 125	135 - 150 mmol/L
123041985-POCT UREA NITROGEN (METER)			5 - 50 TORR
BLD GAS + LYLES-VENOUS G3NI----LAB2468			
Collection Requirements			
123041934-POCT BASE EXCESS-VENOUS			-2.0 - 2.0 mEq/L
123041945-POCT HCO3 (METER)-VENOUS			1 - 85 TORR
123041954-POCT PCO2,TEMP CORRECTED-VI			5 - 130 TORR
123041958-POCT PCO2-VENOUS			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041962-POCT PH,TEMP CORRECTED-VENO			38 - 48 TORR
123041966-POCT PH-VENOUS			6.50 - 8.20
123041970-POCT PO2,TEMP CORRECTED-VEI		> 7.60 or < 7.00	7.33 - 7.43
123041974-POCT PO2-VENOUS			5 - 800 TORR
123041979-POCT SO2 (METER)-VENOUS	181 Days		37 - 43 TORR
123041983-POCT TCO2 (METER)-VENOUS			37 - 43 TORR
BLD.GAS+SAT.PROF-MICRO----LAB2308			0 - 100 TORR
123040314-BASE EXCESS-MICRO	150 Years	> 999.0 or < -999.0	22 - 32 TORR

Collection {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040416-CARBOXYHEMOGLOBIN-MICRO

Sex/Age

Panic Range

Reference Range

150 Years

> 30.0

1.0 - 1.5 %

123041189-HEMOGLOBIN,TOTAL-MICRO

Sex/Age

Panic Range

Reference Range

Male

> 20.0 or < 5.0

2.0 - 27.0 gm/mL

Male, 8 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/mL

Male, 31 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/mL

Male, 2 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/mL

Male, 18 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/mL

Female, 8 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/mL

Female, 31 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/mL

Female, 2 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/mL

Female, 18 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/mL

Female

> 20.0 or < 5.0

2.0 - 27.0 gm/mL

123041563-METHEMOGLOBIN-MICRO

Sex/Age

Panic Range

Reference Range

150 Years

.4 - 1.5 %

123041776-OXYHEMOGLOBIN-MICRO

Sex/Age

Panic Range

Reference Range

6 Months

90 - 95 %

150 Years

94 - 100 %

123041816-PCO2-MICRO

Sex/Age

Panic Range

Reference Range

Male, 6 Months

30 - 35 Torr

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 6 Months	5 - 250 Torr
Male, 150 Years	35 - 45 Torr
Female, 150 Years	40 - 45 Torr

123041864-PH-MICRO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 6 Months	> 7.60 or < 7.00	7.30 - 7.40
Female, 6 Months	> 7.60 or < 7.00	7.30 - 7.40
Male, 150 Years	> 7.60 or < 7.00	7.35 - 7.45
Female, 150 Years	> 7.60 or < 7.00	7.40 - 7.45

123041927-PO2-MICRO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
6 Months		60 - 90 Torr
150 Years		80 - 110 Torr

BLOOD GAS AND SAT PROF ARTERIAL----LAB2011

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\fs20 Whole blood samples use syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

123040310-BASE EXCESS-ARTERIAL

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
150 Years	> 999.0 or < -999.0	-2.0 - 2.0 MEQ/l

123040415-CARBOXYHEMOGLOBIN-ART

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
150 Years	> 30.0	1.0 - 1.5 %

123041188-HEMOGLOBIN,TOTAL-ART

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female	> 20.0 or < 5.0	2.0 - 27.0 gm/dL
Male, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
Male	> 20.0 or < 5.0	2.0 - 27.0 gm/dL
Male, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
Male, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
Female, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
Female, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL

123041562-METHEMOGLOBIN-ART

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
150 Years		.4 - 1.5 %

123041774-OXYHEMOGLOBIN-ART

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
6 Months		90 - 95 %
150 Years		94 - 100 %

123041812-PCO2-ARTERIAL

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 6 Months	> 70 or < 10	5 - 250 TORR
Female, 6 Months	> 70 or < 10	5 - 250 TORR
Male, 150 Years	> 70 or < 10	5 - 250 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041850-PH-ARTERIAL	Female, 150 Years	> 70 or < 10	5 - 250 TORR
	Male, 31 Days	> 7.50 or < 7.20	6.00 - 8.00
	Male, 6 Months	> 7.60 or < 7.20	6.00 - 8.00
	Male, 150 Years	> 7.60 or < 7.20	6.00 - 8.00
	Female, 31 Days	> 7.50 or < 7.20	6.00 - 8.00
	Female, 6 Months	> 7.60 or < 7.20	6.00 - 8.00
	Female, 150 Years	> 7.60 or < 7.20	6.00 - 8.00
421-PO2-ARTERIAL	6 Months	> 350 or < 40	800 TORR
	150 Years	> 350 or < 40	800 TORR

BLOOD GAS AND SAT PROF- MICRO----LAB2013

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

Test/Component	Sex/Age	Panic Range	Reference Range
123040314-BASE EXCESS-MICRO	150 Years	> 999.0 or < -999.0	-2.0 - 2.0 meq/L
123040416-CARBOXYHEMOGLOBIN-MICRO	150 Years	> 30.0	1.0 - 1.5 %
123041189-HEMOGLOBIN,TOTAL-MICRO			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Male	> 20.0 or < 5.0	5.0 - 20.0 gm/mL
	Male, 8 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/mL
	Male, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/mL
	Male, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/mL
	Male, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/mL
	Female, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/mL
	Female, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/mL
	Female, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/mL
	Female, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/mL
	Female	> 20.0 or < 5.0	2.0 - 27.0 gm/mL
123041563-METHEMOGLOBIN-MICRO	Sex/Age	Panic Range	Reference Range
	150 Years		.4 - 1.5 %
123041776-OXYHEMOGLOBIN-MICRO	Sex/Age	Panic Range	Reference Range
	6 Months		90 - 95 %
	150 Years		94 - 100 %
123041816-PCO2-MICRO	Sex/Age	Panic Range	Reference Range
	Male, 6 Months		30 - 35 Torr
	Female, 6 Months		5 - 250 Torr
	Male, 150 Years		35 - 45 Torr

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041864-PH-MICRO	Sex/Age	Panic Range	Reference Range
	Female, 150 Years		40 - 45 Torr
	Male, 6 Months	> 7.60 or < 7.00	7.30 - 7.40
	Female, 6 Months	> 7.60 or < 7.00	7.30 - 7.40
	Male, 150 Years	> 7.60 or < 7.00	7.35 - 7.45
	Female, 150 Years	> 7.60 or < 7.00	7.40 - 7.45

123041927-PO2-MICRO	Sex/Age	Panic Range	Reference Range
	6 Months		60 - 90 Torr
	150 Years		80 - 110 Torr

BLOOD GAS AND SAT PROF VENOUS----LAB2012

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin or lithium heparin as the anticoagulant.\par }

123040316-BASE EXCESS-VENOUS	Sex/Age	Panic Range	Reference Range
	150 Years	> 999.0 or < -999.0	-2.0 - 2.0 meq/L

123040418-CARBOXYHEMOGLOBIN-VEN	Sex/Age	Panic Range	Reference Range
	150 Years	> 30.0	1.0 - 1.5 %

123041191-HEMOGLOBIN,TOTAL-VEN	Sex/Age	Panic Range	Reference Range
	Female, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
	Female, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Female	> 20.0 or < 5.0	2.0 - 27.0 gm/dL
	Male, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
	Male, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
	Male, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
	Male, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
	Male	> 20.0 or < 5.0	2.0 - 27.0 gm/dL
	Female, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
	Female, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
123041565-METHEMOGLOBIN-VEN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		.4 - 1.5 %
123041778-OXYHEMOGLOBIN-VEN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		70 - 76 %
123041818-PCO2-VENOUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		5 - 250 TORR
123041874-PH-VENOUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 7.60 or < 7.20	7.33 - 7.43
123041929-PO2-VENOUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		800 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

BLOOD GAS ELECTROLYTES----LAB10001

Collection
Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123040390-CALCIUM,IONIZED-WB,PLASMA	150 Years	> 1.45 or < .75	.90 - 1.20 mmol/L
123041118-GLUCOSE-WB PLASMA	150 Years	> 500 or < 50	70 - 150 mg/dL
123042010-POTASSIUM-WB,PLASMA	150 Years	> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123042344-SODIUM-WB PLASMA	150 Years	> 160 or < 120	135 - 150 mmol/L

BLOOD GAS-ARTERIAL----LAB76

Collection
Requirements

{\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

Test/Component	Sex/Age	Panic Range	Reference Range
123040310-BASE EXCESS-ARTERIAL	150 Years	> 999.0 or < -999.0	-2.0 - 2.0 MEQ/l
123040415-CARBOXYHEMOGLOBIN-ART	150 Years	> 30.0	1.0 - 1.5 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041188-HEMOGLOBIN,TOTAL-ART

Sex/Age

Panic Range

Reference Range

Female

> 20.0 or < 5.0

2.0 - 27.0 gm/dL

Male, 8 Days

> 24.1 or < 12.0

12.0 - 24.1 gm/dL

Male

> 20.0 or < 5.0

2.0 - 27.0 gm/dL

Male, 31 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Male, 2 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Male, 18 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Female, 8 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Female, 31 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Female, 2 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Female, 18 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

123041562-METHEMOGLOBIN-ART

Sex/Age

Panic Range

Reference Range

150 Years

.4 - 1.5 %

123041774-OXYHEMOGLOBIN-ART

Sex/Age

Panic Range

Reference Range

6 Months

90 - 95 %

150 Years

94 - 100 %

123041812-PCO2-ARTERIAL

Sex/Age

Panic Range

Reference Range

Male, 6 Months

> 70 or < 10

5 - 250 TORR

Female, 6 Months

> 70 or < 10

5 - 250 TORR

Male, 150 Years

> 70 or < 10

5 - 250 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041850-PH-ARTERIAL	Female, 150 Years	> 70 or < 10	5 - 250 TORR
	Male, 31 Days	> 7.50 or < 7.20	6.00 - 8.00
	Male, 6 Months	> 7.60 or < 7.20	6.00 - 8.00
	Male, 150 Years	> 7.60 or < 7.20	6.00 - 8.00
	Female, 31 Days	> 7.50 or < 7.20	6.00 - 8.00
	Female, 6 Months	> 7.60 or < 7.20	6.00 - 8.00
	Female, 150 Years	> 7.60 or < 7.20	6.00 - 8.00
421-PO2-ARTERIAL	6 Months	> 350 or < 40	800 TORR
	150 Years	> 350 or < 40	800 TORR

BLOOD GAS-CORD BLD, VENOUS----LAB77

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant\par }

Test/Component	Sex/Age	Panic Range	Reference Range
123041815-PCO2-CORD BLOOD, VENOUS	150 Years		5 - 250 TORR
123041853-PH-CORD BLOOD, VENOUS	150 Years		6.00 - 8.00
123041926-PO2-CORD BLOOD, VENOUS			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

150 Years

800 TORR

BLOOD GAS-CORD BLOOD, ARTERIAL----LAB1398

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant\par }

123041814-PCO2-CORD BLOOD,ARTERIAL

Sex/Age

Panic Range

Reference Range

999 Years

5 - 250 TORR

123041925-PO2-CORD BLOOD,ARTERIAL

Sex/Age

Panic Range

Reference Range

999 Years

800 TORR

BLOOD GAS-MICRO----LAB78

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

123040314-BASE EXCESS-MICRO

Sex/Age

Panic Range

Reference Range

150 Years

> 999.0 or < -999.0

-2.0 - 2.0 meq/L

123041816-PCO2-MICRO

Sex/Age

Panic Range

Reference Range

Male, 6 Months

30 - 35 Torr

Female, 6 Months

30 - 35 Torr

Male, 150 Years

35 - 45 Torr

Female, 150 Years

40 - 45 Torr

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041864-PH-MICRO

Sex/Age

Panic Range

Reference Range

Male, 6 Months

> 7.60 or < 7.00

7.30 - 7.40

Female, 6 Months

> 7.60 or < 7.00

7.30 - 7.40

Male, 150 Years

> 7.60 or < 7.00

7.35 - 7.45

Female, 150 Years

> 7.60 or < 7.00

7.40 - 7.45

123041927-PO2-MICRO

Sex/Age

Panic Range

Reference Range

6 Months

60 - 90 Torr

150 Years

80 - 110 Torr

BLOOD GAS-VENOUS----LAB79

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

123040316-BASE EXCESS-VENOUS

Sex/Age

Panic Range

Reference Range

150 Years

> 999.0 or < -999.0

-2.0 - 2.0 meq/L

123041818-PCO2-VENOUS

Sex/Age

Panic Range

Reference Range

150 Years

5 - 250 TORR

123041874-PH-VENOUS

Sex/Age

Panic Range

Reference Range

150 Years

> 7.60 or < 7.20

7.33 - 7.43

123041929-PO2-VENOUS

Sex/Age

Panic Range

Reference Range

150 Years

800 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

B-NATRIURETIC PEPTIDE----LAB106

Collection Requirements Plasma (EDTA) is the required sample. Other specimen types have not been evaluated. Observe the following recommendations for handling, processing, and storing blood samples:

- Collect all blood samples observing routine precautions for venipuncture.
- Mix the blood specimen by gently inverting the tube several times.
- Keep tubes stoppered at all times.
- Samples should be centrifuged and refrigerated within 2 hours of blood draw.
- Within two hours after centrifugation, transfer at least 500 μ L of cell-free sample to a storage tube. Tightly stopper the tube immediately.
- Test plasma specimens immediately or within 4 hours of sample collection.
- If testing cannot be completed within 4 hours, the plasma should be stored at -20 $^{\circ}$ C until it can be tested.
- Thaw samples only once.
- Transport specimens at room temperature or chilled and avoid extreme temperature

123040372-B-TYPE NATRIURETIC PEPTIDE

Sex/Age

Panic Range

Reference Range

150 Years

78 pg/mL

BONE MARROW EXAM----LAB2373

Collection Requirements Collection is performed by the Hematology or Oncology Service after review of Hematology or Oncology Consult

123040294-% BAND, BM

Sex/Age

Panic Range

Reference Range

7.0 - 20.0 %

123040317-% BASO ERYTHROBLAST- BM

Sex/Age

Panic Range

Reference Range

0 - 3.0 %

123040318-% BASO MYELOCYTE- BM

Sex/Age

Panic Range

Reference Range

0 - .7 %

123040925-% EOS BAND- BM

Sex/Age

Panic Range

Reference Range

0 - 3.0 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040926-% EOS METAMYELOCYTE-BM

Sex/Age

Panic Range

Reference Range

0 - 3 %

123040927-% EOS MYELOCYTE-BM

Sex/Age

Panic Range

Reference Range

0 - 3.0 %

123040928-% EOS SEGMENTED-BM

Sex/Age

Panic Range

Reference Range

0 - 3.0 %

123041496-% LYMPHOBLAST-BM

Sex/Age

Panic Range

Reference Range

0.0 %

123041499-% LYMPHOCYTE-BM

Sex/Age

Panic Range

Reference Range

3.0 - 17.0

123041535-% MAST CELL-BM

Sex/Age

Panic Range

Reference Range

0.0 %

123041553-% METAMYELOCYTE,BM

Sex/Age

Panic Range

Reference Range

6.0 - 15.0 %

123041599-% MONOBLAST-BM

Sex/Age

Panic Range

Reference Range

0.0 %

123041600-% MONOCYTE-BM

Sex/Age

Panic Range

Reference Range

0 - 4 %

123041629-% MYELOBLAST,BM

Sex/Age

Panic Range

Reference Range

0 - 3 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

<u>Test/Component</u>	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
123041631-% MYELOCYTE-BM			3.0 - 15.0 %
123041986-% ORTHOCHROMATOPH.ERYTHRO			0 - 2.0 %
123041888-% PLASMA CELL,ABN-BM			0.0 %
123041889-% PLASMA CELL-BM			0 - 3.0 %
123041739-% POLYCHROM ERYTHROBLAST-I			7.0 - 30.0 %
123042035-% PROERYTHROBLAST-BM			0 - 3.0 %
123042041-% PROLYMPHOCYTE-BM			0.0 %
123042043-% PROMONOCYTE-BM			0.0 %
123042045-% PROMYELOCYTE,BM			0 - 4 %
123042191-% RETICULUM CELL-BM			1.0 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042275-% SEG NEUTROPHIL-BM

Sex/Age

Panic Range

Reference Range

7.0 - 20.0 %

Collection
Requirements

1558170-CALCIUM

Sex/Age

Panic Range

Reference Range

> 13.0 or < 5.0

8.7 - 10.7 mg/dL

CALCIUM, IONIZED----LAB54

Collection
Requirements

123040390-CALCIUM,IONIZED-WB,PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 1.45 or < .75

.90 - 1.20 mmol/L

CALCIUM, IONIZED-WB PLASMA----LAB2015

Collection Requirements {rft1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

123040390-CALCIUM,IONIZED-WB,PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 1.45 or < .75

.90 - 1.20 mmol/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Serum or heparinized plasma, free from hemolysis, is the recommended specimen. Serum or plasma should be separated from red cells as soon as possible.

123040112-ALBUMIN,BCG-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years		3.5 - 5.0 gm/dL
123040387-CALCIUM,ALBUMIN ADJUSTED	Sex/Age	Panic Range	Reference Range
	150 Years	> 14.0 or < 6.5	8.9 - 10.3 mg/dL
123040392-CALCIUM,TOTAL SERUM	Sex/Age	Panic Range	Reference Range
	150 Years	> 14.0	8.9 - 10.3 mg/dL

CALCIUM,TOTAL-SYNOVIAL FLUID----LAB2148

Collection Requirements

123040391-CALCIUM,SYNOVIAL FLUID	Sex/Age	Panic Range	Reference Range
	999 Years		4.0 - 18.0 mg/dL

CALCIUM,TOTAL-URINE----LAB2147

Collection Requirements Urine should be collected over a 24 hour period. Prior to analysis, acidify the urine specimen to a pH < 2 with 6 N HCl. Follow laboratory specific procedures for urine acidification to ensure an appropriate volume of acid is used and to avoid spurious values resulting from dilution of the sample by the acid.

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040393-CALCIUM,TOTAL-URINE

Sex/Age

Panic Range

Reference Range

999 Years

1 - 40 mg/dL

123040394-CALCIUM-24HR URINE

Sex/Age

Panic Range

Reference Range

150 Years

100 - 300 mg/24hrs

Collection Requirements Serum and plasma (heparin) are the recommended samples. Observe the following recommendations for handling, processing, and storing blood samples (12,13):
 1. Collect all blood samples observing routine precautions for venipuncture.
 2. Allow serum samples to clot completely before centrifugation.
 3. Keep tubes stoppered at all times.
 4. Within two hours after centrifugation, transfer at least 500 L of cell-free sample to a storage tube. Tightly stopper the tube immediately.
 5. Store samples tightly stoppered at room temperature (15 to 30\B0C) for no longer than eight hours.
 6. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8\B0C.
 7. If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20\B0C or colder.
 8. Thaw s

123040404-CANCER ANTIGEN 125-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

35.0 U/ML

CARBAMAZEPINE-SERUM---LAB21

Collection Requirements Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants heparin, citrate, oxalate, and EDTA have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.
 - Sample volume is instrument-dependent. Refer to the appropriate Analyzer-Specific Protocol for specific volumes.
 - Store the serum or plasma refrigerated at 2-8\B0C. For transporting, maintain the sample temperature at 2-8\B0C. Samples can be stored refrigerated at 2-8\B0C for up to one month or stored frozen for up to three months.
 - Pharmacokinetic factors influence the correct time of sample collection after the last drug dose. These factors include dosage form, mode of administrat

123040411-CARBAMAZEPINE

Sex/Age

Panic Range

Reference Range

18 Years

> 20.0

8.0 - 12.0 mcg/mL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

150 Years

> 15.0

8.0 - 12.0 mcg/mL

Collection Requirements Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.

123041178-HEMATOCRIT-BLOOD

Sex/Age

Panic Range

Reference Range

Female, 8 Days

44.0 - 64.0 %

Male, 14 Years

31.0 - 43.0 %

Male, 999 Years

40.3 - 53.1 %

Female, 2 Years

30.0 - 40.0 %

Female, 31 Days

35.0 - 49.0 %

Female, 14 Years

31.0 - 43.0 %

Female, 999 Years

33.6 - 44.6 %

Male, 8 Days

44.0 - 64.0 %

Male, 31 Days

35.0 - 49.0 %

Male, 2 Years

30.0 - 40.0 %

123041192-HEMOGLOBIN-BLOOD

Sex/Age

Panic Range

Reference Range

Male, 8 Days

> 24.1 or < 12.0

14.0 - 24.0 gm/dL

Female, 31 Days

> 24.1 or < 12.0

12.0 - 20.0 gm/dL

Female, 2 Years

> 24.1 or < 6.0

10.0 - 15.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123049343-MCH	Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Female, 999 Years	> 20.0 or < 6.0	11.3 - 15.0 gm/dL
			No range specified
	Male, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
	Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Male	> 20.0 or < 6.0	13.2 - 17.7 gm/dL
	Female, 8 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
123042129-MCHC	999 Years		26.1 - 34.5 pg
123042131-MCV			31.5 - 35.0 gm/dL
			No range specified
	2 Years		73 - 85 fL
	5 Years		75 - 87 fL
	10 Years		76 - 90 fL
	12 Years		81 - 100.2 fL
	999 Years		91 - 123 fL
	8 Days		
123041901-PLATELET COUNT-BLOOD			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	1 Years	> 900 or < 30	150 - 400 K/mcL
	18 Years	> 900 or < 30	148 - 362 K/mcL
		> 900 or < 50	148 - 362 K/mcL
123041903-PLATELET MPV	Sex/Age	Panic Range	Reference Range
	999 Years		No range specified
123042123-RBC COUNT-BLOOD	Sex/Age	Panic Range	Reference Range
	Male, 8 Days		4.80 - 7.10 M/mcL
	Male, 31 Days		4.10 - 6.40 M/mcL
	Male, 14 Years		3.80 - 5.50 M/mcL
	Male, 999 Years		4.31 - 5.88 M/mcL
	Female, 8 Days		4.80 - 7.10 M/mcL
	Female, 31 Days		4.10 - 6.40 M/mcL
	Female, 14 Years		3.80 - 5.50 M/mcL
	Female, 999 Years		3.73 - 4.96 M/mcL
123042134-RDW	Sex/Age	Panic Range	Reference Range
	Male		11.5 - 15.4 %
	Female		11.5 - 16.1 %
123042650-WBC COUNT-BLOOD	Sex/Age	Panic Range	Reference Range
	1 Days	> 50.0 or < 1.0	9.0 - 30.0 K/mcL
	6 Years	> 50.0 or < 1.0	5.0 - 14.5 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

12 Years	> 50.0 or < 1.0	4.5 - 13.5 K/mcL
16 Years	> 50.0 or < 1.0	4.5 - 13.0 K/mcL
18 Years	> 50.0 or < 1.0	4.5 - 12.5 K/mcL
2 Days	> 50.0 or < 1.0	9.4 - 34.0 K/mcL
	> 85.0 or < 1.0	3.8 - 10.7 K/mcL
8 Days	> 50.0 or < 1.0	5.0 - 21.0 K/mcL
15 Days	> 50.0 or < 1.0	5.0 - 20.0 K/mcL
1 Months	> 50.0 or < 1.0	5.0 - 19.5 K/mcL
2 Months	> 50.0 or < 1.0	5.5 - 18.0 K/mcL
12 Months	> 50.0 or < 1.0	6.0 - 17.5 K/mcL
2 Years	> 50.0 or < 1.0	6.0 - 17.0 K/mcL
4 Years	> 50.0 or < 1.0	5.5 - 15.5 K/mcL

CBC, PLAT, WBC DIFF----LAB50183

Collection {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Collect blood into a dark
Requirements purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.\par }

123042907-# BASOPHILS- MAN

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days		.7 K/mcL
18 Years		.3 K/mcL
8 Days		.4 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123049329-# BASOPHILS-AUTO	999 Years		.0 - .2 K/mcL
	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
123049242-# BLASTS- MAN			No range specified
	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
123049229-# EOSINOPHILS- AUTO			No range specified
	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	1 Days		1.0 K/mcL
	12 Months		No range specified
	6 Years		.8 K/mcL
	2 Days		.1 - 1.0 K/mcL
	12 Years		.7 K/mcL
	999 Years		.0 - .5 K/mcL
	2 Months		.1 - .9 K/mcL
	18 Years		.6 K/mcL
	8 Days		.1 - 1.1 K/mcL
	15 Days		.1 - 1.0 K/mcL
123048207-# EOSINOPHILS- MAN	6 Months		.1 - .8 K/mcL
	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	1 Days		1.0 K/mcL
	12 Months		.1 - .7 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

6 Years	.8 K/mcL
2 Days	.1 - 1.0 K/mcL
12 Years	.7 K/mcL
2 Months	.1 - .9 K/mcL
18 Years	.6 K/mcL
999 Years	.0 - .5 K/mcL
8 Days	.1 - 1.1 K/mcL
15 Days	.1 - 1.0 K/mcL
6 Months	.1 - .8 K/mcL

123049236-# LYMPHOCYTES- AUTO

Sex/Age

Panic Range

Reference Range

1 Days	2.0 - 11.0 K/mcL
1 Years	4.0 - 10.5 K/mcL
2 Years	3.0 - 9.5 K/mcL
4 Years	2.0 - 8.0 K/mcL
6 Years	1.5 - 7.0 K/mcL
8 Years	1.5 - 6.8 K/mcL
10 Years	1.5 - 3.5 K/mcL
12 Years	1.2 - 6.0 K/mcL
6 Months	4.0 - 13.5 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

10 Months	4.0 - 11.5 K/mcL
14 Years	1.2 - 5.8 K/mcL
2 Days	2.0 - 11.5 K/mcL
16 Years	1.2 - 5.2 K/mcL
18 Years	1.0 - 5.0 K/mcL
999 Years	.9 - 3.2 K/mcL
8 Days	2.0 - 17.0 K/mcL
1 Months	2.5 - 16.5 K/mcL
2 Months	3.0 - 16.0 K/mcL
4 Months	3.5 - 14.5 K/mcL
8 Months	4.5 - 12.5 K/mcL

123042903-# LYMPHOCYTES- MAN

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days		2.0 - 11.0 K/mcL
2 Years		3.0 - 9.5 K/mcL
4 Years		4.5 - 8.0 K/mcL
6 Years		1.5 - 7.0 K/mcL
8 Years		1.5 - 6.8 K/mcL
10 Years		1.5 - 3.5 K/mcL
12 Years		1.2 - 6.0 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

14 Years	1.2 - 5.8 K/mcL
8 Months	4.5 - 12.5 K/mcL
12 Months	4.0 - 10.5 K/mcL
16 Years	1.2 - 5.2 K/mcL
2 Days	2.0 - 11.5 K/mcL
18 Years	1.0 - 5.0 K/mcL
999 Years	.9 - 3.2 K/mcL
8 Days	2.0 - 17.0 K/mcL
1 Months	2.5 - 16.5 K/mcL
2 Months	3.0 - 16.0 K/mcL
4 Months	3.5 - 14.5 K/mcL
6 Months	4.0 - 13.5 K/mcL
10 Months	4.5 - 11.5 K/mcL

123049240-# METAMYELOCYTES- MAN

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
18 Years		No range specified
999 Years		No range specified

123049227-# MONOCYTES- AUTO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days		.4 - 3.1 K/mcL
2 Years		.1 - 1.0 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

18 Years	.9 K/mcL
8 Months	.1 - 1.2 K/mcL
12 Months	.1 - 1.1 K/mcL
2 Days	.2 - 3.1 K/mcL
999 Years	.2 - .8 K/mcL
6 Months	.1 - 1.3 K/mcL
8 Days	.3 - 2.7 K/mcL
15 Days	.2 - 2.4 K/mcL
29 Days	.2 - 2.0 K/mcL
2 Months	.1 - 1.8 K/mcL
4 Months	.1 - 1.5 K/mcL
10 Months	.1 - 1.2 K/mcL

123042906-# MONOCYTES- MAN

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days		.4 - 3.1 K/mcL
2 Years		.1 - 1.0 K/mcL
18 Years		.9 K/mcL
8 Months		.1 - 1.2 K/mcL
12 Months		.1 - 1.1 K/mcL
2 Days		.2 - 3.1 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

999 Years	.2 - .8 K/mcL
6 Months	.1 - 1.3 K/mcL
8 Days	.3 - 2.7 K/mcL
15 Days	.2 - 2.4 K/mcL
29 Days	.2 - 2.0 K/mcL
2 Months	.1 - 1.8 K/mcL
4 Months	.1 - 1.5 K/mcL
10 Months	.1 - 1.2 K/mcL

123049335-# MYELOCYTE-MAN

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
18 Years		No range specified
999 Years		No range specified

123049234-# NEUTROPHILS- AUTO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
8 Years		1.5 - 8.0 K/mcL
16 Years		1.8 - 8.0 K/mcL
18 Years		1.8 - 7.7 K/mcL
999 Years		1.7 - 7.4 K/mcL
2 Days		5.0 - 21.0 K/mcL
8 Days		1.5 - 10.0 K/mcL
15 Days		1.0 - 9.5 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123042901-# NEUTROPHILS- MAN	4 Months		1.0 - 9.0 K/mcL
	10 Months		1.0 - 8.5 K/mcL
	4 Years		1.5 - 8.5 K/mcL
	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	2 Days		5 - 21 K/mcL
	8 Days		1.5 - 10 K/mcL
	15 Days		1 - 9.5 K/mcL
	4 Months		1 - 9 K/mcL
	10 Months		1 - 8.5 K/mcL
	4 Years		1.5 - 8.5 K/mcL
123049341-# NRBC-AUTO	8 Years		1.5 - 8 K/mcL
	16 Years		1.8 - 8 K/mcL
	18 Years		1.8 - 7.7 K/mcL
	999 Years		1.7 - 7.4 K/mcL
	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	4 Days		No range specified
	999 Years		No range specified
123049342-# NRBC-MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	4 Days		No range specified

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	18 Years		No range specified
	999 Years		.1 K/mcL
123049244-# PLASMA CELLS - MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123049241-# PROMYELOCYTES- MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	18 Years		No range specified
	999 Years		No range specified
123049221-# UNIDENTIFIED CELLS- MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123049217-# VARIANT LYMPHOCYTES- MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123049230-% BASOPHILS- AUTO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123049208-% BASOPHILS- MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123049331-% BLASTS-MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123049228-% EOSINOPHILS- AUTO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123049206-% EOSINOPHILS- MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123042902-% LYMPHOCYTE- MAN	999 Years		No range specified
123049224-% LYMPHOCYTES- AUTO	999 Years		No range specified
123049210-% METAMYELOCYTE- MAN	999 Years		No range specified
123049226-% MONOCYTES- AUTO	18 Years		No range specified
123042904-% MONOCYTES- MAN	999 Years		No range specified
123049212-% MYELOCYTE - MAN	18 Years		No range specified
123949222-% NEUTROPHILS- AUTO	999 Years		No range specified
123042900-% NEUTROPHILS-MAN	999 Years		No range specified
123049333-% PLASMA CELLS-MAN	999 Years		No range specified

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

			No range specified
123042908-% PROMYELOCYTE- MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	18 Years		No range specified
	999 Years		No range specified
123049334-% UNIDENTIFIED CELLS-MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123049330-% VARIANT LYMPHOCYTES-MAN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123041178-HEMATOCRIT-BLOOD	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female, 8 Days		44.0 - 64.0 %
	Male, 14 Years		31.0 - 43.0 %
	Male, 999 Years		40.3 - 53.1 %
	Female, 2 Years		30.0 - 40.0 %
	Female, 31 Days		35.0 - 49.0 %
	Female, 14 Years		31.0 - 43.0 %
	Female, 999 Years		33.6 - 44.6 %
	Male, 8 Days		44.0 - 64.0 %
	Male, 31 Days		35.0 - 49.0 %
	Male, 2 Years		30.0 - 40.0 %
123041192-HEMOGLOBIN-BLOOD	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Male, 8 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/dL
	Female, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
	Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Female, 999 Years	> 20.0 or < 6.0	11.3 - 15.0 gm/dL
			No range specified
	Male, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
	Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Male	> 20.0 or < 6.0	13.2 - 17.7 gm/dL
	Female, 8 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
123049343-MCH	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		26.1 - 34.5 pg
123042129-MCHC	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		31.5 - 35.0 gm/dL
123042131-MCV	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	2 Years		No range specified
	5 Years		73 - 85 fL
	10 Years		75 - 87 fL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123049233-NRBC-AUTO	12 Years		76 - 90 fL
	999 Years		81 - 100.2 fL
	8 Days		91 - 123 fL
1230492156-NRBC-MAN	4 Days		No range specified
	999 Years		No range specified
	18 Years		No range specified
123041901-PLATELET COUNT-BLOOD	1 Years	> 900 or < 30	150 - 400 K/mcL
	18 Years	> 900 or < 30	148 - 362 K/mcL
	999 Years	> 900 or < 50	148 - 362 K/mcL
123041903-PLATELET MPV	999 Years		No range specified
	Male, 14 Years		3.80 - 5.50 M/mcL
123042123-RBC COUNT-BLOOD	Male, 8 Days		4.80 - 7.10 M/mcL
	Male, 31 Days		4.10 - 6.40 M/mcL
	Male, 14 Years		3.80 - 5.50 M/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 999 Years	4.31 - 5.88 M/mcL
Female, 8 Days	4.80 - 7.10 M/mcL
Female, 31 Days	4.10 - 6.40 M/mcL
Female, 14 Years	3.80 - 5.50 M/mcL
Female, 999 Years	3.73 - 4.96 M/mcL

123042134-RDW

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male		11.5 - 15.4 %
Female		11.5 - 16.1 %

123042650-WBC COUNT-BLOOD

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days	> 50.0 or < 1.0	9.0 - 30.0 K/mcL
6 Years	> 50.0 or < 1.0	5.0 - 14.5 K/mcL
12 Years	> 50.0 or < 1.0	4.5 - 13.5 K/mcL
16 Years	> 50.0 or < 1.0	4.5 - 13.0 K/mcL
18 Years	> 50.0 or < 1.0	4.5 - 12.5 K/mcL
2 Days	> 50.0 or < 1.0	9.4 - 34.0 K/mcL
	> 85.0 or < 1.0	3.8 - 10.7 K/mcL
8 Days	> 50.0 or < 1.0	5.0 - 21.0 K/mcL
15 Days	> 50.0 or < 1.0	5.0 - 20.0 K/mcL
1 Months	> 50.0 or < 1.0	5.0 - 19.5 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

2 Months	> 50.0 or < 1.0	5.5 - 18.0 K/mcL
12 Months	> 50.0 or < 1.0	6.0 - 17.5 K/mcL
2 Years	> 50.0 or < 1.0	6.0 - 17.0 K/mcL
4 Years	> 50.0 or < 1.0	5.5 - 15.5 K/mcL

CBC,PLAT,WBC DIFF,HID----LAB5562

Collection Requirements Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.

123043037-# LYMPHOCYTES,HID

Sex/Age

Panic Range

Reference Range

Female

1 - 3.4 K/mcL

Male

.9 - 3 K/mcL

123043039-# MXD,HID

Sex/Age

Panic Range

Reference Range

Female

.3 - 1.1 K/mcL

Male

.2 - 1.1 K/mcL

123043035-# NEUTROPHILS,HID

Sex/Age

Panic Range

Reference Range

Female

2.4 - 7.5 K/mcL

Male

2.2 - 6.4 K/mcL

123043036-% LYMPHOCYTES,HID

Sex/Age

Panic Range

Reference Range

Female

13.9 - 44.4 %

Male

16.8 - 42.5 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123043038-% MXD,HID

Sex/Age

Panic Range

Reference Range

Female

4.7 - 13.3 %

Male

3.2 - 16.9 %

123043034-% NEUTROPHILS,HID

Sex/Age

Panic Range

Reference Range

Female

49.1 - 76.9 %

Male

46.4 - 74.7 %

123043030-HEMATOCRIT,HID

Sex/Age

Panic Range

Reference Range

Female

32.5 - 46.2 %

Male

36.1 - 49.4 %

123043029-HEMOGLOBIN,HID

Sex/Age

Panic Range

Reference Range

Female

> 20 or < 5

10.3 - 14.8 gm/dL

Male

> 20 or < 5

11.9 - 16.7 gm/dL

123043033-PLATELET COUNT,HID

Sex/Age

Panic Range

Reference Range

Female

> 900 or < 50

136 - 388 K/mcL

Male

> 900 or < 50

10 - 1500 K/mcL

123043040-PLATELET MPV, HID

Sex/Age

Panic Range

Reference Range

Female

7.9 - 13.3 fL

Male

8.7 - 12.6 fL

123043027-RBC COUNT,HID

Sex/Age

Panic Range

Reference Range

Female

3.43 - 5.21 M/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123043032-RBC MCHC,HID	Male		4.14 - 5.52 M/mcL
	Female		30.7 - 34.9 %
123043031-RBC MCV,HID	Male		31 - 35.8 %
	Female		82.5 - 98 fL
123043026-WBC COUNT,HID	Male		83.2 - 96 fL
	Female	> 85 or < 1	.1 - 108 K/mcL
	Male	> 85 or < 1	3.9 - 9.4 K/mcL

Collection Requirements Serum is the recommended sample. Observe the following recommendations for handling, processing, and storing blood samples (15,16):

- Collect all blood samples observing routine precautions for venipuncture.
- For serum, allow samples to clot adequately before centrifugation.
- Keep tubes stoppered at all times.
- Within two hours after centrifugation, transfer at least 500 μ L of cell-free serum to a storage tube. Tightly stopper the tube immediately.
- Store samples, tightly stoppered, at room temperature (15 to 30 $^{\circ}$ C) for no longer than eight hours.
- If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8 $^{\circ}$ C.
- If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20 $^{\circ}$ C or colder.

Use the following gu

Test/Component	Sex/Age	Panic Range	Reference Range
123040419-CARCINOEMBRYONIC AG (CEA)	150 Years		3.0 NG/ML

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

CERULOPLASMIN-SERUM----LAB703

Collection Requirements Serum samples are the recommended specimens. Serum samples should be collected in the manner routinely used for any clinical laboratory test. Freshly drawn serum from a fasting individual is preferred.

123040507-CERULOPLASMIN-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

17 - 66 mg/dL

Collection Requirements

123040112-ALBUMIN,BCG-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

3.5 - 5.0 gm/dL

123040202-ANION GAP

Sex/Age

Panic Range

Reference Range

150 Years

1 - 13

123040387-CALCIUM,ALBUMIN ADJUSTED

Sex/Age

Panic Range

Reference Range

150 Years

> 14.0 or < 6.5

8.9 - 10.3 mg/dL

123040392-CALCIUM,TOTAL SERUM

Sex/Age

Panic Range

Reference Range

150 Years

> 14.0

8.9 - 10.3 mg/dL

123040527-CHLORIDE-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

101 - 111 meq/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123040667-CO2 CONTENT-SERUM	150 Years	> 40 or < 10	22 - 32 meq/L
123040954-GLOMERULAR FILTRATION RATE	150 Years		60 mL/min/1.73 mE
123041111-GLUCOSE,CASUAL-SERUM	8 Days	> 150 or < 40	40 - 150 mg/dL
	18 Years	> 400 or < 50	70 - 125 mg/dL
	150 Years	> 500 or < 50	70 - 125 mg/dL
123041741-OSMO,CALCULATED	150 Years	> 350 or < 240	275 - 300 mOsm/kg
123041869-PHOSPHORUS,INORG-SERUM	150 Years		2.4 - 4.7 mg/dL
123042008-POTASSIUM-SERUM	30 Days	> 7.0 or < 2.5	3.4 - 5.1 meq/L
	150 Years	> 6.0 or < 2.5	3.4 - 5.1 meq/L
123042342-SODIUM-SERUM	30 Days	> 150 or < 120	132 - 144 meq/L
	150 Years	> 160 or < 120	132 - 144 meq/L
123042579-UREA NITROGEN-SERUM	150 Years	> 150	8 - 22 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

CHEM 14, METABOLIC PANEL----LAB50184

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma,
Requirements free from hemolysis are the recommended samples.\par }

123040112-ALBUMIN,BCG-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

3.5 - 5.0 gm/dL

173-ALKALINE PHOSPHATASE SERUM

Sex/Age

Panic Range

Reference Range

Male, 27 Days

75 - 316 U/L

Female, 9 Years

184 - 415 U/L

Male, 12 Years

91 - 476 U/L

Female, 12 Years

104 - 471 U/L

Male, 15 Years

92 - 468 U/L

Female, 15 Years

41 - 244 U/L

Male, 19 Years

48 - 230 U/L

Female, 19 Years

47 - 176 U/L

Male, 49 Years

38 - 126 U/L

Female, 49 Years

38 - 126 U/L

Male, 150 Years

38 - 126 U/L

Female, 27 Days

48 - 406 U/L

Female, 150 Years

38 - 141 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Male, 11 Months		82 - 383 U/L
	Female, 11 Months		124 - 341 U/L
	Male, 3 Years		104 - 345 U/L
	Female, 3 Years		108 - 317 U/L
	Male, 6 Years		93 - 309 U/L
	Female, 6 Years		96 - 297 U/L
	Male, 9 Years		47 - 324 U/L
123042301-ALT (SGPT)	Sex/Age	Panic Range	Reference Range
	Male		17 - 63 U/L
	Female		14 - 54 U/L
123040202-ANION GAP	Sex/Age	Panic Range	Reference Range
	150 Years		1 - 13
123042300-AST (SGOT)	Sex/Age	Panic Range	Reference Range
	150 Years		10 - 42 U/L
123040341-BILIRUBIN,DIRECT-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years		.5 mg/dL
123040344-BILIRUBIN,TOTAL-SERUM	Sex/Age	Panic Range	Reference Range
	30 Days	> 16.0	.3 - 12.0 mg/dL
	150 Years		.3 - 1.6 mg/dL
123040387-CALCIUM,ALBUMIN ADJUSTED	Sex/Age	Panic Range	Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123040392-CALCIUM,TOTAL SERUM	150 Years	> 14.0 or < 6.5	8.9 - 10.3 mg/dL
123040527-CHLORIDE-SERUM	150 Years	> 14.0	8.9 - 10.3 mg/dL
123040667-CO2 CONTENT-SERUM	150 Years		101 - 111 meq/L
123040954-GLOMERULAR FILTRATION RATE	150 Years	> 40 or < 10	22 - 32 meq/L
123041111-GLUCOSE,CASUAL-SERUM	150 Years		60 mL/min/1.73 mE
123041741-OSMO,CALCULATED	8 Days	> 150 or < 40	10 - 2400 mg/dL
	18 Years	> 400 or < 50	70 - 125 mg/dL
	150 Years	> 500 or < 50	70 - 125 mg/dL
123042008-POTASSIUM-SERUM	150 Years	> 350 or < 240	275 - 300 mOsm/kg
	30 Days	> 7.0 or < 2.5	3.4 - 5.1 meq/L
	150 Years	> 6.0 or < 2.5	3.4 - 5.1 meq/L
123042063-PROTEIN,TOTAL-SERUM	150 Years		6.0 - 8.3 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123042342-SODIUM-SERUM	30 Days	> 150 or < 120	132 - 144 meq/L
	150 Years	> 160 or < 120	132 - 144 meq/L
123042579-UREA NITROGEN-SERUM	150 Years	> 150	8 - 22 mg/dL
Collection Requirements	<p>{\rtf1\stecf22000\ansi\deflang1033\ftnbj\uc1\deff0{\fonttbl{\f0 \fmodern \fcharset0 Arial;}{\f1 \fswiss Arial;}}{\colortbl ;\red255\green255\blue255 ;\red0\green0\blue0 ;}{stylesheet{\f1\fs24 Normal;}{\cs1 Default Paragraph Font;}}{*\revtbl{Unknown;}}\paperw12240\paperh15840\margl1800\margr1800\margt1440\margb1440\headery720\footery720\nogrowautofit\deftab720\formshade\fet4\endnotes\aftnrlc\pgbrdrhead\pgbrdrfoot\sectd\pgwsxn12240\pghsxn15840\uttersxn0\marglsxn1800\margrsxn1800\margtsxn1440\margbsxn1440\headery720\footery720\sbkpage\pgnc\ont\pgndec\plain\plain\fs24\pard\plain\fs20\lang1033\hich\fo\loch\fo\fs20 Serum samples and EDTA or heparinized plasma, free from hemolysis, are the recommended specimens. Separate serum from blood cells as soon as possible. Plasma is not recommended using anticoagulants such as oxalate, citrate or fluoride.\par}</p>		
123040530-CHOLESTEROL,HDL MEASURED	150 Years		40 - 60 mg/dL
123040531-CHOLESTEROL,LDL-CALCULATED	Male		100 - 129 mg/dL
	Female		100 - 159 mg/dL
123040534-CHOLESTEROL,TOTAL-SERUM	150 Years		170 - 239 mg/dL
123042516-TRIGLYCERIDE-SERUM	Male, 30 Years		50 - 171 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 150 Years	66 - 221 mg/dL
Female, 30 Years	42 - 137 mg/dL
	10 - 5000 mg/dL
Male, 40 Years	57 - 250 mg/dL
Female, 40 Years	45 - 170 mg/dL
Male, 50 Years	69 - 218 mg/dL
Female, 50 Years	51 - 180 mg/dL
Male, 60 Years	75 - 210 mg/dL
Female, 60 Years	59 - 229 mg/dL
Male, 150 Years	65 - 227 mg/dL

CHEM 4, ELECTROLYTE PANEL----LAB16

Collection Requirements

123040202-ANION GAP	Sex/Age	Panic Range	Reference Range
	150 Years		1 - 13
123040527-CHLORIDE-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years		101 - 111 meq/L
123040667-CO2 CONTENT-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years	> 40 or < 10	22 - 32 meq/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042008-POTASSIUM-SERUM

Sex/Age

Panic Range

Reference Range

30 Days

> 7.0 or < 2.5

3.4 - 5.1 meq/L

150 Years

> 6.0 or < 2.5

3.4 - 5.1 meq/L

123042342-SODIUM-SERUM

Sex/Age

Panic Range

Reference Range

30 Days

> 150 or < 120

132 - 144 meq/L

150 Years

> 160 or < 120

132 - 144 meq/L

Collection Requirements

123040112-ALBUMIN,BCG-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

3.5 - 5.0 gm/dL

173-ALKALINE PHOSPHATASE SERUM

Sex/Age

Panic Range

Reference Range

Male, 27 Days

75 - 316 U/L

Female, 9 Years

184 - 415 U/L

Male, 12 Years

91 - 476 U/L

Female, 12 Years

104 - 471 U/L

Male, 15 Years

92 - 468 U/L

Female, 15 Years

41 - 244 U/L

Male, 19 Years

48 - 230 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 19 Years	47 - 176 U/L
Male, 49 Years	38 - 126 U/L
Female, 49 Years	38 - 126 U/L
Male, 150 Years	38 - 126 U/L
Female, 27 Days	48 - 406 U/L
Female, 150 Years	38 - 141 U/L
Male, 11 Months	82 - 383 U/L
Female, 11 Months	124 - 341 U/L
Male, 3 Years	104 - 345 U/L
Female, 3 Years	108 - 317 U/L
Male, 6 Years	93 - 309 U/L
Female, 6 Years	96 - 297 U/L
Male, 9 Years	47 - 324 U/L

123042301-ALT (SGPT)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male		17 - 63 U/L
Female		14 - 54 U/L

123042300-AST (SGOT)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
150 Years		10 - 42 U/L

123040341-BILIRUBIN,DIRECT-SERUM

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123040344-BILIRUBIN,TOTAL-SERUM	150 Years		.5 mg/dL
	30 Days	> 16.0	.3 - 12.0 mg/dL
123042063-PROTEIN,TOTAL-SERUM	150 Years		.3 - 1.6 mg/dL
	150 Years		6.0 - 8.3 gm/dL
123040112-ALBUMIN,BCG-SERUM	150 Years		3.5 - 5.0 gm/dL
	150 Years		1 - 13
123040387-CALCIUM,ALBUMIN ADJUSTED	150 Years	> 14.0 or < 6.5	8.9 - 10.3 mg/dL
	150 Years	> 14.0	8.9 - 10.3 mg/dL
123040527-CHLORIDE-SERUM	150 Years		101 - 111 meq/L

Collection Requirements Serum or heparinized plasma samples, free from hemolysis, are the recommended specimens. The use of anticoagulants which bind magnesium, such as EDTA, oxalate and citrate, must be avoided.

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123040667-CO2 CONTENT-SERUM	150 Years	> 40 or < 10	22 - 32 meq/L
123040954-GLOMERULAR FILTRATION RATE	150 Years		60 mL/min/1.73 mE
123041111-GLUCOSE,CASUAL-SERUM	8 Days	> 150 or < 40	70 - 125 mg/dL
	18 Years	> 400 or < 50	70 - 125 mg/dL
	150 Years	> 500 or < 50	70 - 125 mg/dL
123041741-OSMO,CALCULATED	150 Years	> 350 or < 240	275 - 300 mOsm/kg
123042008-POTASSIUM-SERUM	30 Days	> 7.0 or < 2.5	3.4 - 5.1 meq/L
	150 Years	> 6.0 or < 2.5	3.4 - 5.1 meq/L
123042342-SODIUM-SERUM	30 Days	> 150 or < 120	132 - 144 meq/L
	150 Years	> 160 or < 120	132 - 144 meq/L
123042579-UREA NITROGEN-SERUM	150 Years	> 150	8 - 22 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

CHLORIDE, BODY FLUID----LAB183

Collection Requirements

123040526-CHLORIDE,FLUID	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		50 - 200 meq/L

CHLORIDE-SERUM----LAB59

Collection Requirements

123040527-CHLORIDE-SERUM	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		101 - 111 meq/L

CHLORIDE-URINE----LAB2151

Collection Requirements

123040528-CHLORIDE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		15 - 400 mEq/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

CHOLESTEROL, BODY FLUID----LAB376

Collection Requirements

123040533-CHOLESTEROL,TOTAL-FLUID

Sex/Age

Panic Range

Reference Range

150 Years

25 - 3500 mg/dL

CHOLESTEROL, HDL MEASURED----LAB101

Collection Requirements Serum samples and EDTA or heparinized plasma, free from hemolysis, are the recommended specimens. Separate serum from blood cells as soon as possible. Plasma is not recommended using anticoagulants such as oxalate, citrate or fluoride. Total Cholesterol levels in EDTA plasma should be corrected by multiplying the result obtained by 1.03 to be equivalent to serum levels of Total Cholesterol.

123040530-CHOLESTEROL,HDL MEASURED

Sex/Age

Panic Range

Reference Range

150 Years

40 - 60 mg/dL

Collection Requirements Serum samples and EDTA or heparinized plasma, free from hemolysis, are the recommended specimens. Separate serum from blood cells as soon as possible. Plasma is not recommended using anticoagulants such as oxalate, citrate or fluoride. Total Cholesterol levels in EDTA plasma should be corrected by multiplying the result obtained by 1.03 to be equivalent to serum levels of Total Cholesterol.

123040534-CHOLESTEROL,TOTAL-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

170 - 239 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Serum, EDTA, or heparinized plasma samples are the recommended specimens. Separate serum and plasma from red blood cells as soon as possible (within 3 hours). Plasma using anticoagulants such as citrate and oxalate are not recommended.

123040529-CHOLESTEROL, LDL MEASURED

Sex/Age

Panic Range

Reference Range

Male

100 - 129 mg/dL

Female

100 - 159 mg/dL

Collection Requirements Shipping and Handling: The specimen (blood) should be collected under sterile conditions without additives; prompt separation of the clot from the serum is necessary to avoid hemolysis. Store sample at room temperature for no longer than 8 hours. Serum should be stored at 2-8C if it is to be analyzed within 48 hours; serum not analyzed within 48 hours should be frozen at -20C. Do not use a frost-free freezer because it may allow the specimens to go through freeze-thaw cycles and degrade antibody. Samples subjected to freeze-thaw cycles may yield spurious results. Specimens showing particulate matter, erythrocytes, or turbidity must be clarified by centrifugation before testing. Plasma and CSF should not be used. The assay has not been standardized for their use. Heat treated serum, lipemic serum, grossly hemolyzed serum, or serum with obvious microbial contamin

123040660-CMV IGG ANTIBODY INDEX.-1

Sex/Age

Panic Range

Reference Range

150 Years

250.0 iu/mL

CO2 CONTENT-SERUM----LAB55

Collection Requirements Serum and heparinized plasma samples, free from hemolysis, are the recommended specimens. Separate serum or plasma from cells promptly to minimize hemolysis. Oxalate, citrate and EDTA have been reported to interfere with assay results. If plasma is used, the recommended anticoagulant is heparin.

123040667-CO2 CONTENT-SERUM

Sex/Age

Panic Range

Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

150 Years

> 40 or < 10

22 - 32 meq/L

Collection Requirements

123040679-COLLAGEN/ADP

Sex/Age

Panic Range

Reference Range

0 - 118 sec

Collection Requirements

{\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum is the recommended specimen. Prior to centrifugation, allow the sample to clot 15 - 30 minutes at room temperature, then refrigerate the sample 2 - 8\B0C and allow clotting to continue for 30 - 60 minutes. To separate serum: rim the clot and centrifuge in refrigerated centrifuge. Serum should then be separated into multiple aliquots and frozen (-20\B0C) to avoid thawing and refreezing.\par If cryoprecipitating antibodies are suspected, clot formation and centrifugation should proceed at 37\B0C as a complement fixation may occur if the specimen is chilled. In certain sera, chilling will significantly lower complement titer.\par }

123040691-COMPLEMENT C3-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

87 - 200 mg/dL

COMPLEMENT C3-SYNOVIAL FLUID----LAB2158

Collection Requirements

123040692-COMPLEMENT C3-SYN FLUID

Sex/Age

Panic Range

Reference Range

150 Years

15 - 2500 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements

123040693-COMPLEMENT C4-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

19 - 52 mg/dL

COMPLEMENT C4-SYNOVIAL FLUID----LAB2159

Collection Requirements

123040694-COMPLEMENT C4-SYN FLUID

Sex/Age

Panic Range

Reference Range

150 Years

8 - 750 mg/dL

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Allow specimen to clot completely at room temperature. Separate serum or plasma from cells ASAP.\par }

1558170-CALCIUM

Sex/Age

Panic Range

Reference Range

> 13.0 or < 5.0

8.7 - 10.7 mg/dL

1558043-GLUCOSE RANDOM

Sex/Age

Panic Range

Reference Range

> 500 or < 40

60 - 200 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

COMPREHENSIVE METABOLIC, HID----LAB5563

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma,
Requirements free from hemolysis are the recommended samples\par }

123043043-ALBUMIN, HID

Sex/Age

Panic Range

Reference Range

150 Years

3.3 - 5.5 g/dL

123043008-ALKALINE PHOSPHATASE, HID

Sex/Age

Panic Range

Reference Range

Female, 27 Days

48 - 406 U/L

Female, 150 Years

38 - 141 U/L

Male, 27 Days

75 - 316 U/L

Male, 11 Months

82 - 383 U/L

Male, 3 Years

104 - 345 U/L

Male, 6 Years

93 - 309 U/L

Male, 9 Years

47 - 324 U/L

Male, 12 Years

91 - 476 U/L

Male, 15 Years

92 - 468 U/L

Male, 19 Years

48 - 230 U/L

Male, 49 Years

38 - 126 U/L

Female, 11 Months

124 - 341 U/L

Male, 150 Years

38 - 126 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Female, 3 Years		108 - 317 U/L
	Female, 6 Years		96 - 297 U/L
	Female, 9 Years		184 - 415 U/L
	Female, 12 Years		104 - 471 U/L
	Female, 15 Years		41 - 244 U/L
	Female, 19 Years		47 - 176 U/L
	Female, 49 Years		38 - 126 U/L
123043009-ALT(SGPT),HID	Sex/Age	Panic Range	Reference Range
	Female, 150 Years		5 - 2000 U/L
	Male, 150 Years		17 - 63 U/L
123043010-AST(SGOT),HID	Sex/Age	Panic Range	Reference Range
	150 Years		10 - 42 U/L
123043012-CALCIUM,HID	Sex/Age	Panic Range	Reference Range
	150 Years	> 14	8.9 - 10.3 mg/dL
123043013-CHLORIDE,HID	Sex/Age	Panic Range	Reference Range
	150 Years		101 - 111 mmol/L
123043014-CREATININE,HID	Sex/Age	Panic Range	Reference Range
	Female, 150 Years		.4 - 1 mg/dL
	Male, 150 Years		.2 - 20 mg/dL
123043015-GLUCOSE,HID	Sex/Age	Panic Range	Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123043016-POTASSIUM,HID	8 Days	> 150 or < 40	70 - 125 mg/dL
	18 Years	> 400 or < 50	70 - 125 mg/dL
	150 Years	> 500 or < 50	70 - 125 mg/dL
123043017-SODIUM,HID	30 Days	> 7 or < 2.5	3.4 - 5.1 mmol/L
	150 Years	> 6 or < 2.5	3.4 - 5.1 mmol/L
	30 Days	> 150 or < 120	132 - 144 mmol/L
123043019-TCO2,HID	150 Years	> 160 or < 120	132 - 144 mmol/L
	150 Years	> 40 or < 10	5 - 40 mmol/L
	30 Days	> 16	.3 - 12 mg/dL
123043018-TOTAL BILIRUBIN,HID	150 Years		.3 - 1.6 mg/dL
	30 Days		
	150 Years		
123043020-TOTAL PROTEIN,HID	6 - 8.3 g/dL		
	8 - 22 mg/dL		
123043011-UREA NITROGEN,HID			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

CORTISOL-SERUM----LAB61

Collection Requirements Serum, plasma (heparin, EDTA) and urine are the recommended samples.
 Observe the following recommendations for handling, processing, and storing blood samples (1):
 1. Collect all blood samples observing routine precautions for venipuncture.
 2. Allow serum samples to clot completely before centrifugation.
 3. Keep tubes stoppered at all times.
 4. Within two hours after centrifugation, transfer at least 500 μ L of cell-free sample to a storage tube. Tightly stopper the tube immediately.
 5. Store samples tightly stoppered at room temperature (15 to 30 $^{\circ}$ C) for no longer than eight hours.
 6. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8 $^{\circ}$ C.
 7. If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20 $^{\circ}$ C or colder.

123040713-CORTISOL-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years		8.70 - 22.40 MCG/D

CPK MB, MASS (INCLUDES TOTAL CPK)----LAB63

Collection Requirements Lithium heparin plasma is the recommended sample. Serum is an acceptable specimen type.
 Observe the following recommendations for handling, processing, and storing blood samples:
 1. Collect all blood samples observing routine precautions for venipuncture.
 2. Keep tubes stoppered at all times.
 3. Within two hours after centrifugation, transfer at least 500 μ L of cell-free sample to a tightly stoppered storage tube.
 4. Store samples tightly stoppered at room temperature (15-30 $^{\circ}$ C) for no longer than eight hours.
 5. If the assay will not be completed within eight hours, refrigerate the samples at 2-8 $^{\circ}$ C.
 6. If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20 $^{\circ}$ C or colder.
 C. Avoid using hemolyzed, icteric or cloudy samples. Thaw samples only once.

123040564-CKMB RELATIVE INDEX	Sex/Age	Panic Range	Reference Range
	999 Years		1.5
123040732-CPK MB,MASS	Sex/Age	Panic Range	Reference Range
	150 Years		7.5 ng/mL
123040733-CPK,TOTAL-SERUM	Sex/Age	Panic Range	Reference Range
	Female		38 - 234 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male

49 - 397 U/L

10 - 50000 U/L

Collection Requirements Serum and heparinized plasma samples free from hemolysis are the recommended specimens. Allow specimen to clot. Remove serum from cells promptly to minimize hemolysis and contamination by adenylate kinase from the red cells. Plasma samples may occasionally produce unpredictable rate reactions resulting in false low results. Plasma with EDTA, oxalate or citrate is not recommended.

123040733-CPK,TOTAL-SERUM

Sex/Age

Panic Range

Reference Range

Female

38 - 234 U/L

Male

49 - 397 U/L

10 - 50000 U/L

Collection Requirements PATIENT PREPARATION: An 8 to 12-hour fast is recommended but not required. A fasting sample should minimize any possible lipemia. TYPE: Serum, free from hemolysis, is the recommended specimen. Avoid highly lipemic samples, which may produce excessively high scatter signals.

364-CRP-HIGH SENSITIVITY

Sex/Age

Panic Range

Reference Range

150 Years

0.00 - .50 mg/dL

CREATININE- 24 HOUR URINE----LAB5085

Collection Requirements

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040735-CREATININE CLEARANCE

Sex/Age

Panic Range

Reference Range

Male

107 - 139 ML CLEA

Female

87 - 107 ML CLEAR

123040739-CREATININE-24HR URINE

Sex/Age

Panic Range

Reference Range

Male

800 - 2000 MG/24 H

Female

600 - 1800 MG/24 H

123040741-CREATININE-URINE

Sex/Age

Panic Range

Reference Range

150 Years

1 - 4500 mg/dL

123040954-GLOMERULAR FILTRATION RATE

Sex/Age

Panic Range

Reference Range

150 Years

60 mL/min/1.73 mE

Collection
Requirements

123040735-CREATININE CLEARANCE

Sex/Age

Panic Range

Reference Range

Male

107 - 139 ML CLEA

Female

87 - 107 ML CLEAR

123040739-CREATININE-24HR URINE

Sex/Age

Panic Range

Reference Range

Male

800 - 2000 MG/24 H

Female

600 - 1800 MG/24 H

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040741-CREATININE-URINE

Sex/Age

Panic Range

Reference Range

150 Years

1 - 4500 mg/dL

123040954-GLOMERULAR FILTRATION RATE

Sex/Age

Panic Range

Reference Range

150 Years

60 mL/min/1.73 mE

CREATININE, BODY FLUID----LAB65

Collection
Requirements

123040738-CREATININE,FLUID

Sex/Age

Panic Range

Reference Range

.2 - 250.0 mg/dL

Collection
Requirements

123040735-CREATININE CLEARANCE

Sex/Age

Panic Range

Reference Range

Male

107 - 139 ML CLEA

Female

87 - 107 ML CLEAR

123040739-CREATININE-24HR URINE

Sex/Age

Panic Range

Reference Range

Male

800 - 2000 MG/24 H

Female

600 - 1800 MG/24 H

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040741-CREATININE-URINE

Sex/Age

Panic Range

Reference Range

150 Years

1 - 4500 mg/dL

123040954-GLOMERULAR FILTRATION RATE

Sex/Age

Panic Range

Reference Range

150 Years

60 mL/min/1.73 mE

CRYOCRIT-SERUM----LAB2394

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 ordered by reflex in lab when test Cryoglobulin is answered as Present\par }

123040745-CRYOCRIT-SERUM

Sex/Age

Panic Range

Reference Range

0 %

CSF CELL COUNT WITH DIFFERENTIAL----LAB212

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 One milliliter is the minimum recommended volume of CSF for cell count and differential. However, these tests will be done on any amount submitted if at all possible.\par \par Only the differential will be reported if a CSF sample contains a clot.\par }

123041662-WBC COUNT-CSF

Sex/Age

Panic Range

Reference Range

0 - 10 /mCL

CSF EXAM,CHEMISTRY----LAB2321

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Beckman Coulter recommends that CSF samples be collected in plain collection devices or sodium fluoride-potassium oxalate tubes. Care should be taken to avoid blood contamination during collection.\par }

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041117-GLUCOSE-CSF	Sex/Age	Panic Range	Reference Range
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150 Years

40 - 70 mg/dL

123042062-PROTEIN,TOTAL-CSF	Sex/Age	Panic Range	Reference Range
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150 Years

4 - 3000 mg/dL

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3ml. Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.

123040827-D-DIMER	Sex/Age	Panic Range	Reference Range
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250 - 128000 ng/mL

Collection Requirements - Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants heparin, oxalate, and EDTA have been tested in plasma samples containing 1.0 ng/mL digoxin. No discernible difference was observed in digoxin recovery from plasma samples as compared with serum samples, ie, the concentrations of the plasma samples agreed with the concentrations of the serum samples within the precision limits of the assay at the 1.0 ng/mL level. Sample volume is instrument-dependent. Refer to the appropriate User's Guide or Analyzer-Specific Protocol for volumes. Use fresh samples. If samples are to be tested within 8 hours of collection, they may be stored at room temperature (20-25°C). For transporting, maintain the sample temperature at 2-8°C. Samples can be stored refrigerated at 2-8°C for up to 7 days or stored frozen (-20°C) for up to 6 months. Repeated freeze-thaw cycle

123040852-DIGOXIN	Sex/Age	Panic Range	Reference Range
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18 Years

> 2.5

.2 - 10.0 ng/mL

150 Years

> 3.0

.2 - 10.0 ng/mL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

DRUG SCREEN, RANDOM----LAB4005

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 - Urine specimens may be collected in plastic (ie, polypropylene, polycarbonate, polyethylene) or glass containers. Some plastics, other than those listed, can adsorb certain drugs.\par - If not analyzed immediately, specimens may be stored unrefrigerated for up to 7 days following collection. After 7 days, specimens should be stored frozen at -20\B0C.\par - Frozen specimens must be thawed and mixed thoroughly prior to analysis.\par - Specimens with high turbidity should be centrifuged before analysis.\par - The recommended pH range for urine specimens is 3.0-11.0.\par - Adulteration of the urine specimen may cause erroneous results. If adulteration is suspected, obtain another specimen.\par }

123040528-CHLORIDE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		15 - 400 mEq/L
123040741-CREATININE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		1 - 4500 mg/dL
123041873-PH-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		4.6 - 8.0
123042436-TEMPERATURE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		90.0 - 100.0 degree

DRUG SCREEN,OJI-URINE----LAB4000

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 - Urine specimens may be collected in plastic (ie, polypropylene, polycarbonate, polyethylene) or glass containers. Some plastics, other than those listed, can adsorb certain drugs.\par - If not analyzed immediately, specimens may be stored unrefrigerated for up to 7 days following collection. After 7 days, specimens should be stored frozen at -20\B0C.\par - Frozen specimens must be thawed and mixed thoroughly prior to analysis.\par - Specimens with high turbidity should be centrifuged before analysis.\par - The recommended pH range for urine specimens is 3.0-11.0.\par - Adulteration of the urine specimen may cause erroneous results. If adulteration is suspected, obtain another specimen.\par }

123040528-CHLORIDE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		15 - 400 mEq/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040741-CREATININE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		1 - 4500 mg/dL
123041873-PH-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		4.6 - 8.0
123042436-TEMPERATURE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		90.0 - 100.0 degree

DRUG SCREEN,PRE-EMP----LAB4001

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 - Urine specimens may be collected in plastic (ie, polypropylene, polycarbonate, polyethylene) or glass containers. Some plastics, other than those listed, can adsorb certain drugs.\par - If not analyzed immediately, specimens may be stored unrefrigerated for up to 7 days following collection. After 7 days, specimens should be stored frozen at -20\B0C.\par - Frozen specimens must be thawed and mixed thoroughly prior to analysis.\par - Specimens with high turbidity should be centrifuged before analysis.\par - The recommended pH range for urine specimens is 3.0-11.0.\par - Adulteration of the urine specimen may cause erroneous results. If adulteration is suspected, obtain another specimen.\par }

123040528-CHLORIDE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		15 - 400 mEq/L
123040741-CREATININE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		1 - 4500 mg/dL
123041873-PH-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		4.6 - 8.0
123042436-TEMPERATURE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		90.0 - 100.0 degree

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Only freshly drawn and properly refrigerated sera obtained by approved aseptic venipuncture procedures should be used in this assay. No anticoagulants or preservatives should be added. Avoid using hemolyzed, icteric, lipemic, or bacterially contaminated sera. Store sample at room temperature for no longer than 8 hours. If testing is not performed within 8 hours, sera may be stored at 2-8 C for no longer than 48 hours. If delay in testing is anticipated, store test sera at -20 C or lower. Avoid multiple freeze/thaw cycles which may cause loss of antibody activity and give erroneous results.

305-DS-DNA ANTIBODY	Sex/Age	Panic Range	Reference Range
			0 - 1000000 IU/ML

ECC:BLD GAS PROF-ART----LAB2310

Collection Requirements Whole blood samples use syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.

123040310-BASE EXCESS-ARTERIAL	Sex/Age	Panic Range	Reference Range
	150 Years	> 999.0 or < -999.0	-2.0 - 2.0 MEQ/l
123040390-CALCIUM,IONIZED-WB,PLASMA	Sex/Age	Panic Range	Reference Range
	150 Years	> 1.45 or < .75	.90 - 1.20 mmol/L
123040415-CARBOXYHEMOGLOBIN-ART	Sex/Age	Panic Range	Reference Range
	150 Years	> 30.0	1.0 - 1.5 %
123041118-GLUCOSE-WB PLASMA	Sex/Age	Panic Range	Reference Range
	150 Years	> 500 or < 50	70 - 150 mg/dL
123041188-HEMOGLOBIN,TOTAL-ART	Sex/Age	Panic Range	Reference Range
	Female	> 20.0 or < 5.0	5.0 - 20.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Male, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
	Male	> 20.0 or < 5.0	2.0 - 27.0 gm/dL
	Male, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
	Male, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
	Male, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
	Female, 8 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/dL
	Female, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
	Female, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
	Female, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
123041562-METHEMOGLOBIN-ART	Sex/Age	Panic Range	Reference Range
	150 Years		.4 - 1.5 %
123041774-OXYHEMOGLOBIN-ART	Sex/Age	Panic Range	Reference Range
	6 Months		90 - 95 %
	150 Years		94 - 100 %
123041812-PCO2-ARTERIAL	Sex/Age	Panic Range	Reference Range
	Male, 6 Months	> 70 or < 10	5 - 250 TORR
	Female, 6 Months	> 70 or < 10	5 - 250 TORR
	Male, 150 Years	> 70 or < 10	5 - 250 TORR
	Female, 150 Years	> 70 or < 10	5 - 250 TORR
123041850-PH-ARTERIAL	Sex/Age	Panic Range	Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 31 Days	> 7.50 or < 7.20	6.00 - 8.00
Male, 6 Months	> 7.60 or < 7.20	6.00 - 8.00
Male, 150 Years	> 7.60 or < 7.20	6.00 - 8.00
Female, 31 Days	> 7.50 or < 7.20	6.00 - 8.00
Female, 6 Months	> 7.60 or < 7.20	6.00 - 8.00
Female, 150 Years	> 7.60 or < 7.20	6.00 - 8.00

421-PO2-ARTERIAL

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
6 Months	> 350 or < 40	60 - 90 TORR
150 Years	> 350 or < 40	800 TORR

123042010-POTASSIUM-WB,PLASMA

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
150 Years	> 6.0 or < 2.5	3.4 - 4.5 mmol/L

123042344-SODIUM-WB PLASMA

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
150 Years	> 160 or < 120	135 - 150 mmol/L

EHS:CHEM 3,LIPID PANEL----LAB2318

Collection
Requirements

123040530-CHOLESTEROL,HDL MEASURED

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
150 Years		40 - 60 mg/dL

123040531-CHOLESTEROL,LDL-CALCULATE

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123040534-CHOLESTEROL,TOTAL-SERUM	Male		100 - 129 mg/dL
	Female		100 - 159 mg/dL
123042516-TRIGLYCERIDE-SERUM	150 Years		170 - 239 mg/dL
	Male, 30 Years		50 - 171 mg/dL
	Female, 150 Years		66 - 221 mg/dL
	Female, 30 Years		42 - 137 mg/dL
			10 - 5000 mg/dL
	Male, 40 Years		57 - 250 mg/dL
	Female, 40 Years		45 - 170 mg/dL
	Male, 50 Years		69 - 218 mg/dL
	Female, 50 Years		51 - 180 mg/dL
	Male, 60 Years		75 - 210 mg/dL
Female, 60 Years		59 - 229 mg/dL	
	Male, 150 Years		65 - 227 mg/dL

EHS:GLUCOSE,FASTING-PLAS.----LAB2327

Collection Requirements {rft1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041112-GLUCOSE,FASTING-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

65 - 99 mg/dL

EO COUNT, TOTAL---LAB298

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Collect blood into a dark
Requirements purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.\par }

123040933-# EOSINOPHILS-BLOOD

Sex/Age

Panic Range

Reference Range

1 Days

1.0 K/mcL

12 Months

.1 - .7 K/mcL

6 Years

.8 K/mcL

2 Days

.1 - 1.0 K/mcL

12 Years

.7 K/mcL

21 Years

.5 K/mcL

2 Months

.1 - .9 K/mcL

20 Years

.6 K/mcL

.8 K/mcL

8 Days

.1 - 1.1 K/mcL

15 Days

.1 - 1.0 K/mcL

6 Months

.1 - .8 K/mcL

123040932-% EOSINOPHIL-BLOOD

Sex/Age

Panic Range

Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042650-WBC COUNT-BLOOD	Sex/Age	Panic Range	No range specified
			Reference Range
	1 Days	> 50.0 or < 1.0	9.0 - 30.0 K/mcL
	6 Years	> 50.0 or < 1.0	5.0 - 14.5 K/mcL
	12 Years	> 50.0 or < 1.0	4.5 - 13.5 K/mcL
	16 Years	> 50.0 or < 1.0	4.5 - 13.0 K/mcL
	18 Years	> 50.0 or < 1.0	4.5 - 12.5 K/mcL
	2 Days	> 50.0 or < 1.0	9.4 - 34.0 K/mcL
		> 85.0 or < 1.0	3.8 - 10.7 K/mcL
	8 Days	> 50.0 or < 1.0	5.0 - 21.0 K/mcL
	15 Days	> 50.0 or < 1.0	5.0 - 20.0 K/mcL
	1 Months	> 50.0 or < 1.0	5.0 - 19.5 K/mcL
	2 Months	> 50.0 or < 1.0	5.5 - 18.0 K/mcL
	12 Months	> 50.0 or < 1.0	6.0 - 17.5 K/mcL
	2 Years	> 50.0 or < 1.0	6.0 - 17.0 K/mcL
	4 Years	> 50.0 or < 1.0	5.5 - 15.5 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements
 A. Serum, plasma (heparin, EDTA) and urine are the recommended samples.
 B. Observe the following recommendations for handling, processing, and storing blood samples (1):
 1. Collect all blood samples observing routine precautions for venipuncture.
 2. Allow serum samples to clot completely before centrifugation.
 3. Keep tubes stoppered at all times.
 4. Within two hours after centrifugation, transfer at least 500 μ L of cell-free sample to a storage tube. Tightly stopper the tube immediately.
 5. Store samples tightly stoppered at room temperature (15 to 30 $^{\circ}$ C) for no longer than eight hours.
 6. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8 $^{\circ}$ C.
 7. If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20 $^{\circ}$ C or colder.
 8. Thaw samples only once.
 C. Use the following guideline

123040955-ESTRADIOL-SERUM	Sex/Age	Panic Range	Reference Range
	Female, 55 Years		27.0 - 433.0 PG/ML
	Female, 150 Years		20.0 - 40.0 PG/ML
	Male, 150 Years		20.0 - 47.0 PG/ML

ETHANOL,EMP-SERUM----LAB4002

Collection Requirements
 - The assay requires serum, or plasma.
 - Never use alcohol or other volatile disinfectants when collecting or storing blood specimens. Use aqueous zephiran (benzalkonium chloride), iodine, or other suitable aqueous disinfectants.
 - Be sure the sample tube is kept tightly closed to prevent evaporation of alcohol.
 - Fluoride/oxalate tubes preserve alcohol by preventing glycolysis. They are the preferred method for storing blood prior to analysis of plasma specimens. The anticoagulants citrate, EDTA, fluoride/oxalate, and heparin have been tested and may be used with this assay.
 - If not analyzed immediately, specimens may be stored refrigerated at 2-8 $^{\circ}$ C for up to 3 days following collection. After 3 days, specimens should be stored frozen. Repeated freeze-thaw cycles should be avoided.
 - For transporting, maintain the specimen temperature at 2-8 $^{\circ}$ C.
 - Frozen specimens must be th

123040969-ETHANOL-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years		10 - 1800 MG/DL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements The assay requires serum, or plasma.
 - Never use alcohol or other volatile disinfectants when collecting or storing blood specimens. Use aqueous zephiran (benzalkonium chloride), iodine, or other suitable aqueous disinfectants.
 - Be sure the sample tube is kept tightly closed to prevent evaporation of alcohol.
 - Fluoride/oxalate tubes preserve alcohol by preventing glycolysis. They are the preferred method for storing blood prior to analysis of plasma specimens. The anticoagulants citrate, EDTA, fluoride/oxalate, and heparin have been tested and may be used with this assay.
 - If not analyzed immediately, specimens may be stored refrigerated at 2-8\B0C for up to 3 days following collection. After 3 days, specimens should be stored frozen. Repeated freeze-thaw cycles should be avoided. - For transporting, maintain the specimen temperature at 2-8\B0C.
 - Frozen specimens must be th

123040969-ETHANOL-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

10 - 1800 MG/DL

FACTOR IX ACTIVITY---LAB308

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3ml.
 Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred

123040984-FACTOR IX ACTIVITY

Sex/Age

Panic Range

Reference Range

1.0 %

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3ml.
 Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred

360-FACTOR VIII ACTIVITY

Sex/Age

Panic Range

Reference Range

50.0 - 150.0 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements mples only once.\par C. Use the following guidelines when preparing specimens, unless instructed otherwise in the product insert:\par 1. Ensure residual fibrin and cellular matter has been removed prior to analysis.\par 2. Follow blood collection tube manufacturer's recommendations for centrifugation.\par D. Each laboratory should determine the acceptability of its own blood collection tubes and serum separation products. Variations in these products may exist between manufacturers and, at times from lot-to-lot.\par E. Avoid assaying grossly hemolyzed samples in that ferritin can be released from lysed red cells.\par }

123041003-FERRITIN-SERUM	Sex/Age	Panic Range	Reference Range
	Female		11.0 - 307.0 NG/ML
	Male		24.0 - 336.0 NG/ML
			.2 - 15000.0 NG/ML

FETAL HGB QUANT, HPLC----LAB292

Collection Requirements Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.\par }

123041231-HGB F QUANTITATION,HPLC	Sex/Age	Panic Range	Reference Range
			.2 - 1.8 %

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3ml.\par Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.\par }

123041010-FIBRINOGEN-CLAUSS	Sex/Age	Panic Range	Reference Range
		< 100	200 - 393 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

FLUID EXAM - FCME----LAB3500

Collection Requirements

123042693-CHLORIDE,FCME-FLUID	Sex/Age	Panic Range	Reference Range
	150 Years		20 meq/L
123042698-CREATININE,FCME-FLUID	Sex/Age	Panic Range	Reference Range
	150 Years		.1 mg/dL
123042703-GLUCOSE,FCME-FLUID	Sex/Age	Panic Range	Reference Range
	150 Years		3
123042727-POTASSIUM,FCME-FLUID	Sex/Age	Panic Range	Reference Range
	150 Years		1.0 meq/L
123042728-SODIUM,FCME-FLUID	Sex/Age	Panic Range	Reference Range
	150 Years		10 meq/L
123042730-UREA NITROGEN,FCME-FLUID	Sex/Age	Panic Range	Reference Range
	150 Years		1 mg/dL

FLUOXETINE-SERUM----LAB2040

Collection Requirements Preferred Specimen: 1 mL serum collected in a red-top tube (no gel)\par Minimum Volume: 0.5 mL\par Alternative Specimen(s): Plasma collected in: EDTA (lavender-top) tube, sodium heparin (green-top) tube or lithium heparin (green-top) tube.\par Includes: Norfluoxetine, Fluoxetine and Total\par Patient Preparation: Collect at steady-state trough concentration. Specimen should be collected >12 hours after dose.\par }

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

500-FLUOXETINE, TOTAL	Sex/Age	Panic Range	Reference Range
	150 Years		300 - 1150 MCG/L

FOCUS LYMPHOCYTE SUBSET, T CELL----LAB2925

Collection Requirements Collect 2 mL of blood into a dark purple or light purple top tube. Mix by inverting 10 times. 1.0 ml blood is acceptable for the pediatric light purple (2.0 ml) K3 EDTA tube.

123040441-CD3+ #	Sex/Age	Panic Range	Reference Range
	2 Months		2070 - 6540 /mcL
	4 Months		2280 - 6540 /mcL
	1 Years		1460 - 5440 /mcL
	2 Years		1610 - 4230 /mcL
	5 Years		663 - 2296 /mcL
			663 - 2296 /mcL

123040442-CD3+ %	Sex/Age	Panic Range	Reference Range
	3 Months		60 - 87 %
	8 Months		57 - 84 %
	1 Years		53 - 81 %
	2 Years		62 - 80 %
			54 - 86 %

123040443-CD3+ CD4+ #	Sex/Age	Panic Range	Reference Range
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

2 Months	1460 - 5110 /mCL
4 Months	1690 - 4600 /mCL
1 Years	1020 - 3600 /mCL
2 Years	900 - 2860 /mCL
	468 - 1599 /mCL

123040444-CD3+ CD4+ %

Sex/Age

Panic Range

Reference Range

2 Months	41 - 64 %
4 Months	36 - 61 %
1 Years	31 - 54 %
2 Years	35 - 51 %
	31 - 57 %

123040448-CD3+ CD8+ #

Sex/Age

Panic Range

Reference Range

2 Months	650 - 2450 /mCL
4 Months	720 - 2490 /mCL
1 Years	570 - 2230 /mCL
2 Years	630 - 1910 /mCL
	103 - 1139 /mCL

123040449-CD3+ CD8+ %

Sex/Age

Panic Range

Reference Range

2 Months	16 - 35 %
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

4 Months	16 - 34 %
1 Years	16 - 38 %
2 Years	22 - 38 %
	10 - 45 %

123040445-CD4+/CD8+ RATIO

Sex/Age

Panic Range

Reference Range

2 Months	1.32 - 3.47
4 Months	1.20 - 3.48
1 Years	.95 - 2.95
2 Years	1.05 - 2.07
	.90 - 3.80

123040002-TOTAL LYMPHOCYTES

Sex/Age

Panic Range

Reference Range

3 Months	2900 - 8800
8 Months	3600 - 8800
1 Years	2200 - 8300
2 Years	2400 - 5800
	1000 - 4000

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Serum or Plasma (heparin) Folate
 A. Serum and plasma (heparin) folate from fasting individuals are the recommended samples. Samples should be protected from light to prevent deterioration. If the assay will not be completed immediately, refrigerate the sample at 2 to 8 °C. If the assay will not be completed within eight hours, or for shipment of samples, freeze at -20 °C.
 B. Observe the following recommendations for handling, processing, and storing blood samples:
 1. Collect all blood samples observing routine precautions for venipuncture.
 2. Allow serum samples to clot completely before centrifugation.
 3. Keep tubes stoppered at all times.
 4. Within two hours after centrifugation, transfer at least 500 µL of cell-free sample to a storage tube. Tightly stopper tube immediately.
 5. Beckman Coulter, Inc. recommends the following guidelines when preparing specimens, unless instructed otherwise in the product insert:
 1. Ensure residual fibrin and cellular matter has been removed prior to analysis.
 2. Follow blood collection tube manufacturer's recommendations for centrifugation. Each laboratory should determine the acceptability of its own blood collection tubes and serum separation products. Variations in these products may exist between manufacturers and, at times, from lot-to-lot.
 D. Beckman Coulter, Inc., recommends that frozen specimens can be stored up to three months before testing.

123041031-FOLATE-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

7.8 ng/mL

Collection Requirements mplies only once.
 C. Use the following guidelines when preparing specimens, unless instructed otherwise in the product insert:
 1. Ensure residual fibrin and cellular matter has been removed prior to analysis.
 2. Follow blood collection tube manufacturer's recommendations for centrifugation. Each laboratory should determine the acceptability of its own blood collection tubes and serum separation products. Variations in these products may exist between manufacturers and, at times, from lot-to-lot.
 D. Beckman Coulter, Inc., recommends that frozen specimens can be stored up to three months before testing.

123041032-FOLLICLE STIMULATING HORMON

Sex/Age

Panic Range

Reference Range

Female, 55 Years

2.0 - 23.0 IU/L

Female, 150 Years

17.0 - 114.0 IU/L

Male, 150 Years

1.3 - 19.2 IU/L

.2 - 400.0 IU/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GENTAMICIN-SERUM,PEAK----LAB2900

Collection Requirements Gentamicin Peak: Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.

479-GENTAMICIN PEAK	Sex/Age	Panic Range	Reference Range
	18 Years	> 12.0	.3 - 50.0 mcg/mL
	150 Years	> 12.0	.3 - 50.0 mcg/mL

GENTAMICIN-SERUM,RANDOM----LAB2899

Collection Requirements Gentamicin Random: Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.

478-GENTAMICIN RANDOM	Sex/Age	Panic Range	Reference Range
	18 Years	> 12.0	.3 - 50.0 mcg/mL
	150 Years	> 25.0	.3 - 50.0 mcg/mL

GENTAMICIN-SERUM,TROUGH----LAB2901

Collection Requirements Gentamicin Trough: Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.

480-GENTAMICIN TROUGH	Sex/Age	Panic Range	Reference Range
	18 Years	> 2.0	.3 - 50.0 mcg/mL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

150 Years

> 2.5

.3 - 50.0 mcg/mL

GGT PANEL,HID----LAB5569

Collection Requirements Serum or heparinized plasma, free from hemolysis, are the recommended specimens. Remove serum from clot as soon as possible to minimize hemolysis. Citrate and oxalate anticoagulants interfere with the assay.

123043024-GAMMA GLUTAMYL TRANS(GGT),

Sex/Age

Panic Range

Reference Range

150 Years

7 - 64 U/L

GGT-SERUM----LAB85

Collection Requirements Serum samples, free from hemolysis, are the recommended specimens. If plasma must be used, the recommended anticoagulant is EDTA. Heparinized plasma becomes turbid in the reaction mixture; citrate, oxalate and fluoride depress activity by 10 to 15%.

123041060-GAMMA GLUTAMYL TRANS(GGT),

Sex/Age

Panic Range

Reference Range

150 Years

7 - 64 U/L

GLUCOSE 1HR (75GM)----LAB2053

Collection Requirements Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.

123041096-GLUCOSE,1HR (75GM)

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

50 - 500 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GLUCOSE 1HR INDIV----LAB2324

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041099-GLUCOSE,1HR-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

50 - 500 mg/dL

GLUCOSE 2HR INDIV----LAB2325

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041104-GLUCOSE,2HR-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

100 - 139 mg/dL

GLUCOSE 2HR PP-PLASMA----LAB2054

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041101-GLUCOSE,2HR PP-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

50 - 500 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GLUCOSE 3HR INDIV----LAB2326

Collection Requirements Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.

123041107-GLUCOSE,3HR-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

50 - 500 mg/dL

GLUCOSE FASTING INDIV----LAB2323

Collection Requirements Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.

123041112-GLUCOSE,FASTING-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

65 - 99 mg/dL

Collection Requirements

1558043-GLUCOSE RANDOM

Sex/Age

Panic Range

Reference Range

> 500 or < 40

60 - 200 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GLUCOSE RANDOM-PLASMA----LAB2328

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041116-GLUCOSE,RANDOM-PLASMA	Sex/Age	Panic Range	Reference Range
	150 Years	> 500 or < 50	70 - 125 mg/dL

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Fasting serum samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041111-GLUCOSE,CASUAL-SERUM	Sex/Age	Panic Range	Reference Range
	8 Days	> 150 or < 40	70 - 125 mg/dL
	18 Years	> 400 or < 50	70 - 125 mg/dL
	150 Years	> 500 or < 50	70 - 125 mg/dL

GLUCOSE WB PLASMA----LAB2055

Collection Requirements

123041118-GLUCOSE-WB PLASMA	Sex/Age	Panic Range	Reference Range
	150 Years	> 500 or < 50	70 - 150 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GLUCOSE, 1HR (50GM)----LAB2052

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041095-GLUCOSE, 1HR (50GM)

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

100 - 139 mg/dL

GLUCOSE, BODY FLUID----LAB186

Collection Requirements

123041093-GLUCOSE FLUID

Sex/Age

Panic Range

Reference Range

150 Years

10 - 2400 mg/dL

GLUCOSE, CSF----LAB185

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Beckman Coulter recommends that CSF samples be collected in plain collection devices or sodium fluoride-potassium oxalate tubes. Care should be taken to avoid blood contamination during collection.\par }

123041117-GLUCOSE-CSF

Sex/Age

Panic Range

Reference Range

150 Years

40 - 70 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GLUCOSE, FASTING-PLASMA----LAB31

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041112-GLUCOSE,FASTING-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

65 - 99 mg/dL

GLUCOSE,1HR PRENATAL (100GM)----LAB2836

Collection Requirements

123041097-GLUCOSE,1HR PRENATAL (100GM)

Sex/Age

Panic Range

Reference Range

Female

> 500 or < 50

10 - 2400 mg/dL

GLUCOSE,1HR PRENATAL(75GM)----LAB2840

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041098-GLUCOSE,1HR PRENATAL (75GM)

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

60 - 180 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GLUCOSE,2HR (75GM)(1HR)----LAB2834

Collection
Requirements

123041100-GLUCOSE,2HR (75 GM)

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

10 - 2400 mg/dL

GLUCOSE,2HR PRENATAL (100GM)----LAB2837

Collection
Requirements

123041102-GLUCOSE,2HR PRENATAL (100GM)

Sex/Age

Panic Range

Reference Range

Female

> 500 or < 50

50 - 500 mg/dL

GLUCOSE,2HR PRENATAL(75GM)----LAB2841

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041103-GLUCOSE,2HR PRENATAL (75GM)

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

60 - 155 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GLUCOSE,3HR PRENATAL (100GM)----LAB2838

Collection
Requirements

123041105-GLUCOSE,3HR PRENATAL (100GM)

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

10 - 2400 mg/dL

GLUCOSE,3HR PRENATAL(75GM)----LAB2842

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041106-GLUCOSE,3HR PRENATAL (75GM)

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

60 - 140 mg/dL

GLUCOSE,FASTING-PLASMA (75GM)----LAB2833

Collection
Requirements

123041112-GLUCOSE,FASTING-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

65 - 99 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GLUCOSE,FBS-PRENATAL (100GM)----LAB2835

Collection
Requirements

123041113-GLUCOSE,FBS-PRENATAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female	> 500 or < 50	10 - 2400 mg/dL

GLUCOSE,FBS-PRENATAL(75GM)----LAB2839

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting serum or plasma (EDTA, heparin or sodium fluoride) samples, free from hemolysis, are the recommended specimens. Separate from red cells rapidly to minimize loss of glucose through glycolysis. Fresh, random collections are recommended for urine specimens.\par }

123041113-GLUCOSE,FBS-PRENATAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female	> 500 or < 50	10 - 2400 mg/dL

GLUCOSE,QUANT-URINE----LAB2186

Collection
Requirements

123041115-GLUCOSE,QUANTITATIVE-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		1 - 15 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GTT 2HR (1HR)----LAB2831

Collection
Requirements

123041099-GLUCOSE,1HR-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

50 - 500 mg/dL

GTT 2HR (2HR)----LAB2832

Collection
Requirements

123041104-GLUCOSE,2HR-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

100 - 139 mg/dL

GTT 2HR (FASTING)----LAB2830

Collection
Requirements

123041112-GLUCOSE,FASTING-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

65 - 99 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GTT 3HR (1HR)----LAB2798

Collection
Requirements

123041099-GLUCOSE,1HR-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

50 - 500 mg/dL

GTT 3HR (2HR)----LAB2799

Collection
Requirements

123041104-GLUCOSE,2HR-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

100 - 139 mg/dL

GTT 3HR (3HR)----LAB2800

Collection
Requirements

123041107-GLUCOSE,3HR-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

50 - 500 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

GTT 3HR (FASTING)----LAB2797

Collection Requirements

123041112-GLUCOSE,FASTING-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

65 - 99 mg/dL

HAPTOGLOBIN-SERUM----LAB89

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Fasting serum specimen, free from hemolysis, is the recommended specimen. Avoid highly lipemic samples, which may produce excessively high scatter signals.\par }

123041141-HAPTOGLOBIN-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

44 - 215 mg/dL

HCG, QUANT-SERUM----LAB143

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 A. Serum and plasma (heparin) are the recommended samples.\par B. Observe the following recommendations for handling, processing, and storing blood samples:\par 1. Collect all blood samples observing routine precautions for venipuncture.\par 2. Allow serum samples to clot completely before centrifugation.\par 3. Keep tubes stoppered at all times.\par 4. Within two hours after centrifugation, transfer at least 500 \B5L of cell-free sample to a storage tube. Tightly stopper the tube immediately.\par 5. Store samples tightly stoppered at room temperature (15 to 30\B0C) for no longer than eight hours.\par 6. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8\B0C.\par 7. If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20\B0C or colder.\par 8. Thaw sample

123041158-HCG,QUANT-SERUM

Sex/Age

Panic Range

Reference Range

Male, 150 Years

0 - 3 mIU/mL

Female, 150 Years

0 - 5 mIU/mL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

1 mIU/mL

HELICOBACTER PYLORI IGG ANTIBODY, EIA----LAB158

Collection Requirements The specimen (blood) should be collected under sterile conditions without additives; prompt separation of the clot from the serum is necessary to avoid hemolysis. Store sample at room temperature for no longer than 8 hours. Serum should be stored at 2-8C if it is to be analyzed within 48 hours; serum not analyzed within 48 hours should be frozen at -20C. Do not use a frost-free freezer because it may allow the specimens to go through freeze-thaw cycles and degrade antibody. Samples subjected to freeze-thaw cycles may yield spurious results. Specimens showing particulate matter, erythrocytes, or turbidity must be clarified by centrifugation before testing. Plasma and CSF should not be used. The assay has not been standardized for their use. Heat treated serum, lipemic serum, grossly hemolyzed serum, or serum with obvious microbial contamination should not be used as this may cause either false

123041134-H.P. IGG INDEX

Sex/Age

Panic Range

Reference Range

0.000 - 999.000

Collection Requirements EDTA heparinized whole blood.

123041218-HGB A1C %

Sex/Age

Panic Range

Reference Range

150 Years

4.0 - 6.0 %

Collection Requirements

123041178-HEMATOCRIT-BLOOD

Sex/Age

Panic Range

Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 8 Days	44.0 - 64.0 %
Male, 14 Years	31.0 - 43.0 %
Male, 999 Years	40.3 - 53.1 %
Female, 2 Years	30.0 - 40.0 %
Female, 31 Days	35.0 - 49.0 %
Female, 14 Years	31.0 - 43.0 %
Female, 999 Years	33.6 - 44.6 %
Male, 8 Days	44.0 - 64.0 %
Male, 31 Days	35.0 - 49.0 %
Male, 2 Years	30.0 - 40.0 %

123041192-HEMOGLOBIN-BLOOD

Sex/Age	Panic Range	Reference Range
Male, 8 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female, 999 Years	> 20.0 or < 6.0	11.3 - 15.0 gm/dL
		No range specified
Male, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 6.0	13.2 - 17.7 gm/dL
Female, 8 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL

HEMOGLOBINOPATHY EVAL FAMILY----LAB50194

Collection Requirements Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times. Specify relationship to the patient.

Test/Component	Sex/Age	Panic Range	Reference Range
123041179-HEMATOCRIT-FAMILY			No range specified
123041193-HEMOGLOBIN-FAMILY			No range specified
123041220-HGB A2-FAMILY MEMBER,HPLC			2.7 - 3.5 %
123041221-HGB A-FAMILY MEMBER,HPLC			96 - 99 %
123041223-HGB C-FAMILY MEMBER,HPLC	150 Years		0 %
123041233-HGB F-FAMILY MEMBER,HPLC			.2 - 1.8 %
335-HGB MISC-FAMILY			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041246-HGB S-FAMILY MEMBER,HPLC	150 Years		0 %
123042130-MCHC-FAMILY	150 Years		0 %
123042132-MCV-FAMILY	999 Years		31.5 - 35.0 gm/dl
123042125-RBC COUNT-FAMILY			No range specified
123042167-RDW-FAMILY			No range specified

HEMOGLOBINOPATHY EVALUATION----LAB50193

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.\par }

Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041178-HEMATOCRIT-BLOOD	Female, 8 Days		44.0 - 64.0 %
	Male, 14 Years		31.0 - 43.0 %
	Male, 999 Years		40.3 - 53.1 %
	Female, 2 Years		30.0 - 40.0 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 31 Days	35.0 - 49.0 %
Female, 14 Years	31.0 - 43.0 %
Female, 999 Years	33.6 - 44.6 %
Male, 8 Days	44.0 - 64.0 %
Male, 31 Days	35.0 - 49.0 %
Male, 2 Years	30.0 - 40.0 %

123041192-HEMOGLOBIN-BLOOD

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 8 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female, 999 Years	> 20.0 or < 6.0	11.3 - 15.0 gm/dL
		No range specified
Male, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 6.0	13.2 - 17.7 gm/dL
Female, 8 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL

123041216-HGB A,HPLC

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041219-HGB A2 QUANTITATION,HPLC			96 - 99 %
123041222-HGB C%,HPLC			2.7 - 3.5 %
123041231-HGB F QUANTITATION,HPLC			1 %
123041245-HGB S%,HPLC			.2 - 1.8 %
123041248-HGB,MISC HPLC			1 %
123042129-MCHC			31.5 - 35.0 gm/dL
123042131-MCV	2 Years		74 - 84 fL
	5 Years		73 - 85 fL
	10 Years		75 - 87 fL
	12 Years		76 - 90 fL
	999 Years		81 - 100.2 fL
	8 Days		91 - 123 fL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042123-RBC COUNT-BLOOD	Sex/Age	Panic Range	Reference Range
	Male, 8 Days		4.80 - 7.10 M/mcL
	Male, 31 Days		4.10 - 6.40 M/mcL
	Male, 14 Years		3.80 - 5.50 M/mcL
	Male, 999 Years		4.31 - 5.88 M/mcL
	Female, 8 Days		4.80 - 7.10 M/mcL
	Female, 31 Days		4.10 - 6.40 M/mcL
	Female, 14 Years		3.80 - 5.50 M/mcL
	Female, 999 Years		3.73 - 4.96 M/mcL

123042134-RDW	Sex/Age	Panic Range	Reference Range
	Male		11.5 - 15.4 %
	Female		11.5 - 16.1 %

HEPARIN INDUCED THROMBOCYTOPENIA (HIT) ELISA W/ REFLEX TO SRA----LAB2058

Collection Requirements `{\rtf1\stecf22000\ansi\deflang1033\ftnbj\uc1\deff0{\fonttbl{\f0 \fmodern \fcharset0 Arial;}{\f1 \fswiss Arial;}}{\color tbl ;\red255\green255\blue255 ;\red0\green0\blue0 ;}{stylesheet{\f1\fs24 Normal;}{\cs1 Default Paragraph Font;}}{*revtbl{Unknown;}}\paperw12240\paperh15840\margl1800\margr1800\margt1440\margb1440\headery720\footery720\nogrowautofit\deftab720\formshade\fet4\endnotes\aftnrlc\pgbrdrhead\pgbrdrfoot\sectd\pgwsxn12240\pghsxn15840\guttersxn0\marglsxn1800\margrsxn1800\margtsxn1440\margbsxn1440\headery720\footery720\sbkpage\pgnc ont\pgndec\plain\plain\fs24\pard\plain\fs20\lang1033\hich\fo\loch\fo\fs20 Collect blood in a 7 ml red top tube (without serum separator). Send immediately to lab. This test has a minimum serum requirement of 0.5ml.\par}`

123040080-ABSORBANCE-IGG,HIT	Sex/Age	Panic Range	Reference Range
			.300 OD

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

HEPARIN INDUCED THROMBOCYTOPENIA AB(PF4-H) REFLEX TO SRA----LAB5072

Collection \par Minimum Volume: \plain\fs20\lang1033\hich\1\dbch\1\loch\1\cf2\fs20\ltrch 0.5
Requirements mL\plain\fs20\lang1033\hich\1\dbch\1\loch\1\fs20 Plasma\par }

123042762-HIT (UNITS/ML)	Sex/Age	Panic Range	Reference Range
			.6 - 16.0 U/mL

HEPARIN, ASSAY----LAB766

Collection \par Collect blood in a blue top
Requirements tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3ml.\par Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.\par }

123041200-HEPARIN ANTI-XA ASSAY	Sex/Age	Panic Range	Reference Range
		> 1.19	.10 - 2.00 IU/mL

HEPATIC PANEL,HID----LAB5567

Collection \par Serum or heparinized plasma,
Requirements free from hemolysis are the recommended samples.\par }

123043043-ALBUMIN, HID	Sex/Age	Panic Range	Reference Range
	150 Years		3.3 - 5.5 g/dL

123043008-ALKALINE PHOSPHATASE,HID	Sex/Age	Panic Range	Reference Range
	Female, 27 Days		48 - 406 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 150 Years	38 - 141 U/L
Male, 27 Days	75 - 316 U/L
Male, 11 Months	82 - 383 U/L
Male, 3 Years	104 - 345 U/L
Male, 6 Years	93 - 309 U/L
Male, 9 Years	47 - 324 U/L
Male, 12 Years	91 - 476 U/L
Male, 15 Years	92 - 468 U/L
Male, 19 Years	48 - 230 U/L
Male, 49 Years	38 - 126 U/L
Female, 11 Months	124 - 341 U/L
Male, 150 Years	38 - 126 U/L
Female, 3 Years	108 - 317 U/L
Female, 6 Years	96 - 297 U/L
Female, 9 Years	184 - 415 U/L
Female, 12 Years	104 - 471 U/L
Female, 15 Years	41 - 244 U/L
Female, 19 Years	47 - 176 U/L
Female, 49 Years	38 - 126 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123043009-ALT(SGPT),HID	Female, 150 Years		14 - 54 U/L
	Male, 150 Years		17 - 63 U/L
123043023-AMYLASE,HID	150 Years		26 - 92 U/L
123043010-AST(SGOT),HID	150 Years		10 - 42 U/L
123043024-GAMMA GLUTAMYL TRANS(GGT),	150 Years		7 - 64 U/L
123043018-TOTAL BILIRUBIN,HID	30 Days	> 16	.3 - 12 mg/dL
	150 Years		.3 - 1.6 mg/dL
123043020-TOTAL PROTEIN,HID	150 Years		6 - 8.3 g/dL

HGB A1C METER----LAB4091

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
1230410088-HGB A1C% (METER)	150 Years		3.5 - 6.0 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

HGB ASC QUANT----LAB5102

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Collect blood into a dark
Requirements purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.\par }

123041263-HGB A QUANT	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	3 Months		15 - 60 %
	1 Years		92 %
	150 Years		96 %
	6 Months		60 - 92 %
123041250-HGB A2 QUANT	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	1 Months		1.0 %
	1 Years		2.7 %
	150 Years		1.8 - 3.5 %
	6 Months		2.5 %
	3 Months		2.3 %
123041264-HGB C QUANT	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 %
123041249-HGB F QUANT	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	3 Months		40.0 - 85.0 %
	6 Months		8.0 - 40.0 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	1 Years		8.0 %
	150 Years		2.0 %
123041265-HGB S QUANT	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 %
123041201-VARIANT, HGB QUANT	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 %
HGB ASC QUANT, HPLC-----LAB2060			
Collection Requirements	<p>{\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.\par }</p>		
123041216-HGB A,HPLC	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			96 - 99 %
123041219-HGB A2 QUANTITATION,HPLC	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			2.7 - 3.5 %
123041222-HGB C%,HPLC	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		1 %
123041225-HGB E%,HPLC	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		1 %
123041231-HGB F QUANTITATION,HPLC	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			.2 - 1.8 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041234-HGB G,HPLC

Sex/Age

Panic Range

Reference Range

150 Years

1 %

123041238-HGB O%,HPLC

Sex/Age

Panic Range

Reference Range

150 Years

1 %

123041245-HGB S%,HPLC

Sex/Age

Panic Range

Reference Range

999 Years

1 %

123041248-HGB,MISC HPLC

Sex/Age

Panic Range

Reference Range

999 Years

1 %

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\fs20 Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.\par }

123041178-HEMATOCRIT-BLOOD

Sex/Age

Panic Range

Reference Range

Female, 8 Days

44.0 - 64.0 %

Male, 14 Years

31.0 - 43.0 %

Male, 999 Years

40.3 - 53.1 %

Female, 2 Years

30.0 - 40.0 %

Female, 31 Days

35.0 - 49.0 %

Female, 14 Years

31.0 - 43.0 %

Female, 999 Years

33.6 - 44.6 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 8 Days	44.0 - 64.0 %
Male, 31 Days	35.0 - 49.0 %
Male, 2 Years	30.0 - 40.0 %

123041192-HEMOGLOBIN-BLOOD

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 8 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female, 999 Years	> 20.0 or < 6.0	11.3 - 15.0 gm/dL
		No range specified
Male, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 6.0	13.2 - 17.7 gm/dL
Female, 8 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL

123041263-HGB A QUANT

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
3 Months		15 - 60 %
1 Years		92 %
150 Years		96 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	6 Months	Panic Range	Reference Range
123041250-HGB A2 QUANT	<u>Sex/Age</u>		
	1 Months		1.0 %
	1 Years		2.7 %
	150 Years		1.8 - 3.5 %
	6 Months		2.5 %
	3 Months		2.3 %
123041264-HGB C QUANT	<u>Sex/Age</u>		
			0 %
123041249-HGB F QUANT	<u>Sex/Age</u>		
	3 Months		40.0 - 85.0 %
	6 Months		8.0 - 40.0 %
	1 Years		8.0 %
	150 Years		2.0 %
123041265-HGB S QUANT	<u>Sex/Age</u>		
			0 %
123042129-MCHC	<u>Sex/Age</u>		
	999 Years		31.5 - 35.0 gm/dL
123042131-MCV	<u>Sex/Age</u>		
	2 Years		74 - 84 fL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

5 Years	73 - 85 fL
10 Years	75 - 87 fL
12 Years	76 - 90 fL
999 Years	81 - 100.2 fL
8 Days	No range specified

123042123-RBC COUNT-BLOOD

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 8 Days		4.80 - 7.10 M/mcL
Male, 31 Days		4.10 - 6.40 M/mcL
Male, 14 Years		3.80 - 5.50 M/mcL
Male, 999 Years		4.31 - 5.88 M/mcL
Female, 8 Days		4.80 - 7.10 M/mcL
Female, 31 Days		4.10 - 6.40 M/mcL
Female, 14 Years		3.80 - 5.50 M/mcL
Female, 999 Years		3.73 - 4.96 M/mcL

123042134-RDW

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male		11.5 - 15.4 %
Female		11.5 - 16.1 %

123041201-VARIANT, HGB QUANT

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		0 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

HGB PHENOTYPE- FAMILY CE---LAB5101

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times. Specify relationship to the patient.\par }

Test/Component	Sex/Age	Panic Range	Reference Range
123041179-HEMATOCRIT-FAMILY			No range specified
123041193-HEMOGLOBIN-FAMILY			No range specified
123041297-HGB A2-FAMILY MEMBER			No range specified
12304199-HGB A-FAMILY MEMBER			No range specified
123041302-HGB C QUANT -FAMILY	150 Years		0 %
12304198-HGB F-FAMILY MEMBER			No range specified
123041301-HGB S QUANT-FAMILY MEMBER			No range specified
123042130-MCHC-FAMILY	999 Years		31.5 - 35.0 gm/dl

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042132-MCV-FAMILY	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123042125-RBC COUNT-FAMILY	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123042167-RDW-FAMILY	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
123041305-VARIANT, HGB QUANT-FAMILY	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 %

HGB,(METER)----LAB291

Collection Requirements

123041247-HGB,(METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
	Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
	Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
	Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL

ID EXPOSURE, EMPLOYEE-HEPATIC----LAB2896

Collection Requirements free from hemolysis are the recommended samples.

123042301-ALT (SGPT)	Sex/Age	Panic Range	Reference Range
	Male		17 - 63 U/L
	Female		14 - 54 U/L
123042300-AST (SGOT)	Sex/Age	Panic Range	Reference Range
	150 Years		10 - 42 U/L
123041060-GAMMA GLUTAMYL TRANS(GGT)	Sex/Age	Panic Range	Reference Range
	150 Years		7 - 64 U/L

ID EXPOSURE, SOURCE-HEPATIC----LAB2892

Collection Requirements free from hemolysis are the recommended samples.

123042301-ALT (SGPT)	Sex/Age	Panic Range	Reference Range
	Male		17 - 63 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123042300-AST (SGOT)	Female		14 - 54 U/L
	150 Years		10 - 42 U/L
123041060-GAMMA GLUTAMYL TRANS(GGT)			
	150 Years		7 - 64 U/L

IMMUNOGLOBULIN, IGA-SERUM---LAB73

Collection Requirements 20 Serum, EDTA and Lithium heparin plasma may be used. Fasting serum specimen, free from hemolysis, is the recommended specimen. Avoid highly lipemic samples, which may produce excessively high scatter signals.

Test/Component	Sex/Age	Panic Range	Reference Range
123041341-IMMUNOGLOBULIN IGA-SERUM	150 Years		66 - 433 mg/dL

IMMUNOGLOBULIN, IGG-SERUM---LAB71

Collection Requirements 20 Serum, EDTA and Lithium heparin plasma may be used. Fasting serum specimen, free from hemolysis, is the recommended specimen. Avoid highly lipemic samples, which may produce excessively high scatter signals.

Test/Component	Sex/Age	Panic Range	Reference Range
123041344-IMMUNOGLOBULIN IGG-SERUM	150 Years		635 - 1741 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

IMMUNOGLOBULIN, IGM-SERUM----LAB72

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum, EDTA and Lithium heparin plasma may be used.\par Fasting serum specimen, free from hemolysis, is the recommended specimen.\par Avoid highly lipemic samples, which may produce excessively high scatter signals.\par }

123041345-IMMUNOGLOBULIN IGM-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

45 - 281 mg/dL

IMMUNOGLOBULIN, IGG-CSF----LAB2192

Collection Requirements

123041343-IMMUNOGLOBULIN IGG,CSF

Sex/Age

Panic Range

Reference Range

150 Years

5.8 mg/dL

INSULIN-SERUM----LAB575

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 A. Serum and plasma (EDTA) are the recommended samples.\par B. Observe the following recommendations for handling, processing, and storing blood samples:\par 1. Collect all blood samples observing routine precautions for venipuncture.\par 2. Allow serum samples to clot completely before centrifugation.\par 3. Keep tubes stoppered at all times.\par 4. Within two hours after centrifugation, transfer at least 500 L of cell-free sample to a storage tube. Tightly stopper the tube immediately.\par 5. Store samples tightly stoppered at room temperature (15 to 30\B0C) for no longer than eight hours.\par 6. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8\B0C.\par 7. If the assay will not be completed within 24 hours, or for shipment of samples, freeze at -20\B0C or colder.\par 8. Thaw samples only

123041371-INSULIN-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

1.90 - 23.00 MCU/M

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements 20 Serum or heparinized plasma samples, free from hemolysis, are the recommended specimens. Remove serum from the red cells to minimize hemolysis as hemolyzed samples may produce erroneous results. Plasma specimens collected with EDTA, oxalate, or citrate are unsatisfactory, since they bind iron, preventing its reaction with the chromogen. Samples should be taken in the morning from patients in a fasting state, since iron values decrease by 30% during the course of the day and there can be significant interference from lipemia.

123040014-% SATURATION,IRON	Sex/Age	Panic Range	Reference Range
	999 Years		20 - 50 %
123041391-IRON BINDING CAPACITY,CALC	Sex/Age	Panic Range	Reference Range
	150 Years		280 - 430 mcg/dL
123041394-IRON,TOTAL	Sex/Age	Panic Range	Reference Range
	Female		37 - 145 mcg/dL
	Male		59 - 158 mcg/dL
123042575-UNSAT. IRON BIND CAPACITY	Sex/Age	Panic Range	Reference Range
	Female		155 - 300 mcg/dL
	Male		155 - 300 mcg/dL

JO-1 ANTIBODY SCREEN----LAB770

Collection Requirements

123041407-JO-1 AB UNITS	Sex/Age	Panic Range	Reference Range
			0 - 999 AU/ML

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

LACTIC ACID, CSF----LAB187

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Beckman Coulter recommends that CSF samples be collected in plain collection devices or sodium fluoride-potassium oxalate tubes. Care should be taken to avoid blood contamination during collection.\par }

123041426-LACTIC ACID,CSF

Sex/Age

Panic Range

Reference Range

150 Years

.2 - 10.0 mmol/L

Collection Requirements

123041429-LACTIC ACID-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

> 4.0

.5 - 2.2 mmol/L

LDH PANEL,HID----LAB5568

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma, free from hemolysis, are the recommended specimens. Remove serum from clot as soon as possible to minimize hemolysis. Citrate and oxalate anticoagulants interfere with the assay.\par }

123043021-LDH,HID

Sex/Age

Panic Range

Reference Range

150 Years

91 - 180 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma, free from hemolysis, are the recommended specimens. Remove serum from clot as soon as possible to minimize hemolysis. Citrate and oxalate anticoagulants interfere with the assay.\par }

123041444-LDH,TOTAL-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

91 - 180 U/L

LDH-CSF----LAB2198

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Beckman Coulter recommends that CSF samples be collected in plain collection devices or sodium fluoride-potassium oxalate tubes. Care should be taken to avoid blood contamination during collection.\par }

123041442-LDH,CSF

Sex/Age

Panic Range

Reference Range

150 Years

25 - 3600 u/L

LEAD-WHOLE BLOOD QD-LC----LAB98

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Preferred Specimen: 3 mL whole blood collected in a Purple Top tube or 0.5 mL capillary blood collected in an EDTA (lavender-top) capillary tube\par \par Minimum Volume: 0.5 mL (0.2 mL capillary)\par \par Alternative Specimen: Whole blood collected in: Tan Top (K2 EDTA), Sodium heparin, lead-free (tan-top) tube, EDTA (royal blue-top) tube, sodium heparin (royal blue-top) tube, or EDTA (lavender-top) tube\par \par Collection Instructions: Collection material such as alcohol swabs should be lead-free. Use powderless gloves. For capillary collection, wash hands thoroughly with soap and dry with clean, low-lint towel. Once washed, fingers must not come into contact with any surface. Clean skin (finger or other area for venipuncture) with lead-free alcohol swab prior to puncture. Avoid worksite collection.\par }

123041448-LEAD-BLOOD

Sex/Age

Panic Range

Reference Range

5 mcg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

LH-SERUM----LAB87

Collection Requirements s only once.\par C. Use the following guidelines when preparing specimens:\par -Ensure residual fibrin and cellular matter has been removed prior to analysis.\par -Follow blood collection tube manufacturer's recommendations for centrifugation.\par D. Each laboratory should determine the acceptability of its own blood collection tubes and serum separation products. Variations in these products may exist between manufacturers and, at times, from lot-to-lot.\par E. Beckman Coulter, Inc. recommends that frozen specimens can be stored up to six months before testing.\par }

123041487-LUTEINIZING HORMONE-SERUM	Sex/Age	Panic Range	Reference Range
	Female, 55 Years		1.2 - 103.0 IU/L
	Female, 150 Years		11.0 - 59.0 IU/L
	Male, 150 Years		1.2 - 8.6 IU/L
			.2 - 500.0 IU/L

Collection Requirements Serum samples, free from hemolysis, are the recommended specimens. Heparinized plasma can also be used.\par }

123041477-LIPASE-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years		16 - 62 U/L

Collection Requirements It is recommended that a standardized 12-hour post dose serum Lithium concentration be used to assess adequate therapy. Peak concentration is reached 2 to 4 hours after oral dose.\par Use only serum or EDTA plasma. Serum or EDTA plasma should be separated from cells if storage of more than 4 hours is anticipated.\par }

123041478-LITHIUM	Sex/Age	Panic Range	Reference Range
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

150 Years

> 2.0

.5 - 1.5 meq/L

LUPUS ANTICOAGULANT/APS----LAB478

Collection Requirements `{\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 **** TEST INACTIVE ****\par *****DO NOT USE*****\par Test replaced by Lab50214 Lupus Anticoagulant Panel\par \par Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Serum may be used. Send to the lab immediately post collection.\par }`

353-ANTICARDIO IGG

Sex/Age

Panic Range

Reference Range

32 GPL

351-ANTICARDIO IGM

Sex/Age

Panic Range

Reference Range

17 MPL

123042758-APTT

Sex/Age

Panic Range

Reference Range

18 Years

> 90.0

16.0 - 250.0 sec

> 120.0

25.1 - 36.5 sec

123040249-APTT,HEPZYMED

Sex/Age

Panic Range

Reference Range

18 Years

> 90.0

16.0 - 250.0 sec

> 120.0

25.1 - 36.5 sec

123042095-APTT-MIX

Sex/Age

Panic Range

Reference Range

18 Years

> 90.0

26.8 - 35.6 sec

> 120.0

26.8 - 35.6 sec

354-B2 GLYCOPROTEIN IGG

Sex/Age

Panic Range

Reference Range

0 - 35 G units

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

355-B2 GLYCOPROTEIN IGM	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 36 M units
123040883-DRVVT RATIO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			1.6
350-SILICA CLOTTING TIME RATIO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			1.5

Collection Requirements Collect 2 mL of blood into a dark purple or light purple top tube. Mix by inverting 10 times. 1.0 ml blood is acceptable for the pediatric light purple (2.0 ml) K3 EDTA tube.

123040441-CD3+ #	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	2 Months		2070 - 6540 /mcL
	4 Months		2280 - 6540 /mcL
	1 Years		1460 - 5440 /mcL
	2 Years		1610 - 4230 /mcL
	5 Years		663 - 2296 /mcL
			663 - 2296 /mcL
123040442-CD3+ %	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	3 Months		60 - 87 %
	8 Months		57 - 84 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

1 Years 53 - 81 %

2 Years 62 - 80 %

54 - 86 %

123040443-CD3+ CD4+ #

Sex/Age

Panic Range

Reference Range

2 Months 1460 - 5110 /mcL

4 Months 1690 - 4600 /mcL

1 Years 1020 - 3600 /mcL

2 Years 900 - 2860 /mcL

468 - 1599 /mcL

123040444-CD3+ CD4+ %

Sex/Age

Panic Range

Reference Range

2 Months 41 - 64 %

4 Months 36 - 61 %

1 Years 31 - 54 %

2 Years 35 - 51 %

31 - 57 %

123040002-TOTAL LYMPHOCYTES

Sex/Age

Panic Range

Reference Range

3 Months 2900 - 8800

8 Months 3600 - 8800

1 Years 2200 - 8300

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

2 Years

2400 - 5800

1000 - 4000

Collection Requirements
 {\rtf1\sttecf22000\ansi\deflang1033\ftnbj\uc1\deff0{\fonttbl{\f0 \fnil Arial;}{\f1 \fswiss \fcharset0 arial;}}{\colortbl ;\red255\green255\blue255 ;\red0\green0\blue0 ;}{stylesheet{\f0\fs24 Normal;}{\cs1 Default Paragraph Font;}}{* \revtbl{Unknown;}}
 \paperw12240\paperh15840\margl1080\margr1080\margt1080\margb1080\headery720\footery720\htmautsp1\nogrowautofit\deflab720\formshade\nofeaturethrottle1\dntblnsbdb\fet4\ændnotes\aftnnrlc\pgbrdrhead\pgbrdrfoot\sectd\pgwsxn12240\pghsxn15840\guttersxn0\marglsxn1080\margrsxn1080\margtsxn1080\margbsxn1080\headery720\footery720\sbkpage\pgncont\pgndec\plain\plain\fs24\ltrpar\ql\plain\fs20\lang1033\hich\fs1\loch\fs20 Collect 2 mL of blood into a dark purple or light purple top tube. Mix by inverting 10 times. 1.0 ml blood is acceptable for the pediatric light purple (2.0 ml) K3 EDTA tube. *Bronchial washings may also be submitted for testing* Routed to referral lab.\par}

123040441-CD3+ #	Sex/Age	Panic Range	Reference Range
	2 Months		2070 - 6540 /mcL
	4 Months		2280 - 6540 /mcL
	1 Years		1460 - 5440 /mcL
	2 Years		1610 - 4230 /mcL
	5 Years		663 - 2296 /mcL
			663 - 2296 /mcL

123040442-CD3+ %	Sex/Age	Panic Range	Reference Range
	3 Months		60 - 87 %
	8 Months		57 - 84 %
	1 Years		53 - 81 %
	2 Years		62 - 80 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

			54 - 86 %
123040443-CD3+ CD4+ #	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	2 Months		1460 - 5110 /mCL
	4 Months		1690 - 4600 /mCL
	1 Years		1020 - 3600 /mCL
	2 Years		900 - 2860 /mCL
			468 - 1599 /mCL
123040444-CD3+ CD4+ %	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	2 Months		41 - 64 %
	4 Months		36 - 61 %
	1 Years		31 - 54 %
	2 Years		35 - 51 %
			31 - 57 %
123040448-CD3+ CD8+ #	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	2 Months		650 - 2450 /mCL
	4 Months		720 - 2490 /mCL
	1 Years		570 - 2230 /mCL
	2 Years		630 - 1910 /mCL
			103 - 1139 /mCL
123040449-CD3+ CD8+ %	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

2 Months	16 - 35 %
4 Months	16 - 34 %
1 Years	16 - 38 %
2 Years	22 - 38 %
	10 - 45 %

123040445-CD4+/CD8+ RATIO

Sex/Age

Panic Range

Reference Range

2 Months	1.32 - 3.47
4 Months	1.20 - 3.48
1 Years	.95 - 2.95
2 Years	1.05 - 2.07
	.90 - 3.80

123040002-TOTAL LYMPHOCYTES

Sex/Age

Panic Range

Reference Range

3 Months	2900 - 8800
8 Months	3600 - 8800
1 Years	2200 - 8300
2 Years	2400 - 5800
	1000 - 4000

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

MAGNESIUM,HID----LAB5565

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma samples, free from hemolysis, are the recommended specimens. The use of anticoagulants which bind magnesium, such as EDTA, oxalate and citrate, must be avoided. Fresh, random collection is recommended for urine specimens.\par }

123043022-MAGNESIUM,HID	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 4.7 or < 1.2	1.5 - 2.6 mg/dL

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma samples, free from hemolysis, are the recommended specimens. The use of anticoagulants which bind magnesium, such as EDTA, oxalate and citrate, must be avoided. Fresh, random collection is recommended for urine specimens.\par }

123041521-MAGNESIUM-SERUM	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 4.7 or < 1.2	1.5 - 2.6 mg/dL

MAGNESIUM-URINE----LAB405

Collection Requirements

123041522-MAGNESIUM-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	999 Years		.5 - 10.0 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

MALARIA/PARASITE SMEAR----LAB2078

Collection Requirements Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times. Rush sample to the lab. EDTA causes staining artifacts and distorted morphological characteristics of the malaria parasites.

123042123-RBC COUNT-BLOOD

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 8 Days		4.80 - 7.10 M/mcL
Male, 31 Days		4.10 - 6.40 M/mcL
Male, 14 Years		3.80 - 5.50 M/mcL
Male, 999 Years		4.31 - 5.88 M/mcL
Female, 8 Days		4.80 - 7.10 M/mcL
Female, 31 Days		4.10 - 6.40 M/mcL
Female, 14 Years		3.80 - 5.50 M/mcL
Female, 999 Years		3.73 - 4.96 M/mcL

123042650-WBC COUNT-BLOOD

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days	> 50.0 or < 1.0	9.0 - 30.0 K/mcL
6 Years	> 50.0 or < 1.0	5.0 - 14.5 K/mcL
12 Years	> 50.0 or < 1.0	4.5 - 13.5 K/mcL
16 Years	> 50.0 or < 1.0	4.5 - 13.0 K/mcL
18 Years	> 50.0 or < 1.0	4.5 - 12.5 K/mcL
2 Days	> 50.0 or < 1.0	9.4 - 34.0 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	> 85.0 or < 1.0	3.8 - 10.7 K/mcL
8 Days	> 50.0 or < 1.0	5.0 - 21.0 K/mcL
15 Days	> 50.0 or < 1.0	5.0 - 20.0 K/mcL
1 Months	> 50.0 or < 1.0	5.0 - 19.5 K/mcL
2 Months	> 50.0 or < 1.0	5.5 - 18.0 K/mcL
12 Months	> 50.0 or < 1.0	6.0 - 17.5 K/mcL
2 Years	> 50.0 or < 1.0	6.0 - 17.0 K/mcL
4 Years	> 50.0 or < 1.0	5.5 - 15.5 K/mcL

Collection Requirements

123041655-# NEUT (SEG+BAND+META)-BLOO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days		6.0 - 26.0 K/mcL
8 Years		1.5 - 8.0 K/mcL
16 Years		1.8 - 8.0 K/mcL
21 Years		1.8 - 7.7 K/mcL
		1.8 - 7.3 K/mcL
2 Days		5.0 - 21.0 K/mcL
8 Days		1.5 - 10.0 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	15 Days		1.0 - 9.5 K/mcL
	4 Months		1.0 - 9.0 K/mcL
	10 Months		1.0 - 8.5 K/mcL
	4 Years		1.5 - 8.5 K/mcL
183-% EOSINOPHILS - BLOOD	Sex/Age	Panic Range	Reference Range
	999 Years		9 %
182-% MONOCYTES - BLOOD	Sex/Age	Panic Range	Reference Range
	999 Years		2 - 11 %
181-% NEUTROPHILS - BLOOD	Sex/Age	Panic Range	Reference Range
	999 Years		25 - 62 %
123042763-BASOPHILS-ABSOLUTE	Sex/Age	Panic Range	Reference Range
	1 Days		.6 K/mcL
	15 Days		.3 K/mcL
			.2 K/mcL
123042769-EOSINOPHILS-ABSOLUTE	Sex/Age	Panic Range	Reference Range
	1 Days		.9 K/mcL
	12 Months		.1 - .7 K/mcL
	6 Years		.7 K/mcL
	2 Days		.1 - 1.0 K/mcL
	12 Years		.6 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	21 Years		.4 K/mcL
	2 Months		.1 - .9 K/mcL
	20 Years		.5 K/mcL
			.7 K/mcL
	8 Days		.1 - 1.1 K/mcL
	15 Days		.1 - 1.0 K/mcL
	6 Months		.1 - .8 K/mcL
123042775-LYMPHOCYTES-ABSOLUTE	Sex/Age	Panic Range	Reference Range
	1 Days		2.0 - 11.0 K/mcL
	2 Years		3.0 - 9.5 K/mcL
	4 Years		4.5 - 8.0 K/mcL
	6 Years		1.5 - 7.0 K/mcL
	8 Years		1.5 - 6.8 K/mcL
	10 Years		1.5 - 3.5 K/mcL
	12 Years		1.2 - 6.0 K/mcL
	14 Years		1.2 - 5.8 K/mcL
	8 Months		4.5 - 12.5 K/mcL
	12 Months		4.0 - 10.5 K/mcL
	16 Years		1.2 - 5.2 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

2 Days	2.0 - 11.5 K/mcL
18 Years	1.0 - 5.0 K/mcL
21 Years	1.0 - 4.8 K/mcL
	.5 - 4.5 K/mcL
8 Days	2.0 - 17.0 K/mcL
1 Months	2.5 - 16.5 K/mcL
2 Months	3.0 - 16.0 K/mcL
4 Months	3.5 - 14.5 K/mcL
6 Months	4.0 - 13.5 K/mcL
10 Months	4.5 - 11.5 K/mcL

123042776-MONOCYTES-ABSOLUTE

Sex/Age

Panic Range

Reference Range

1 Days	.4 - 3.1 K/mcL
2 Years	.1 - 1.0 K/mcL
20 Years	.9 K/mcL
8 Months	.1 - 1.2 K/mcL
12 Months	.1 - 1.1 K/mcL
2 Days	.2 - 3.1 K/mcL
	1.2 K/mcL
6 Months	.1 - 1.3 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

8 Days	.3 - 2.7 K/mcL
15 Days	.2 - 2.4 K/mcL
29 Days	.2 - 2.0 K/mcL
2 Months	.1 - 1.8 K/mcL
4 Months	.1 - 1.5 K/mcL
10 Months	.1 - 1.2 K/mcL

METHOTREXATE-SERUM----LAB481

Collection Requirements - Serum of plasma is required. For consistency, using the same specimen matrix for individual patients is a good practice.

123041570-METHOTREXATE-SERUM

Sex/Age

Panic Range

Reference Range

.04 - 12000.00 mcm

MIXING STUDY PANEL----LAB2080

Collection Requirements `{\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Please submit (2) 1.8 mL or (1) 4.5 mL blue top tubes. Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3mL.\par Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.\par }`

123042758-APTT

Sex/Age

Panic Range

Reference Range

18 Years

> 90.0

16.0 - 250.0 sec

> 120.0

25.1 - 36.5 sec

123040250-APTT+NORMAL PLASMA

Sex/Age

Panic Range

Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component			
			250.0 sec
123040255-APTT-MIX, 60 MIN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			250.0 sec
123040257-APTT-PATIENT,60 MIN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			250.0 sec
123042067-PROTHROMBIN TIME	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	18 Years	> 27.5	9.4 - 12.5 sec
		> 59.0	9.4 - 12.5 sec
123042086-PT+NORMAL PLASMA	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			120.0 sec
123042087-PT-CONTROL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			120.0 sec
123042089-PT-CONTROL,60 MIN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			120.0 sec
123042091-PT-MIX,60 MIN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			120.0 sec
123042093-PT-PATIENT,60 MIN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			120.0 sec
123042454-THROMBIN TIME	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			5.0 - 120.0 sec

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

NUCLEOTIDASE, 5'-SERUM-QD-LC----LAB2083

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Pref. Specimen: Gold Top - 1
Requirements mL serum, Minimum Volume 0.2 mL\par Collection Instructions: Centrifuge and transfer serum specimens to clean, plastic, screw-capped vial(s). Freeze and ship frozen.\par }

823041693-NUCLEOTIDASE,5'-SERUM-QUEST

Sex/Age

Panic Range

Reference Range

150 Years

10 U/L

OCCULT BLOOD GASTRIC / DUODENUM----LAB696

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 A gastric aspirate obtained by
Requirements nasogastric intubation or vomitus are appropriate samples for use with the Gastrocult test.\par }

371-PH-GASTRIC FLUID

Sex/Age

Panic Range

Reference Range

150 Years

1.5 - 3.5

OR: BLD GAS PROFILE-ART----LAB2311

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant\par }

123040310-BASE EXCESS-ARTERIAL

Sex/Age

Panic Range

Reference Range

150 Years

> 999.0 or < -999.0

-2.0 - 2.0 MEQ/l

123040390-CALCIUM,IONIZED-WB,PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 1.45 or < .75

.90 - 1.20 mmol/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040415-CARBOXYHEMOGLOBIN-ART

Sex/Age

Panic Range

Reference Range

150 Years

> 30.0

1.0 - 1.5 %

123041118-GLUCOSE-WB PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 500 or < 50

70 - 150 mg/dL

123041188-HEMOGLOBIN,TOTAL-ART

Sex/Age

Panic Range

Reference Range

Female

> 20.0 or < 5.0

2.0 - 27.0 gm/dL

Male, 8 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Male

> 20.0 or < 5.0

2.0 - 27.0 gm/dL

Male, 31 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Male, 2 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Male, 18 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Female, 8 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Female, 31 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Female, 2 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Female, 18 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

123041562-METHEMOGLOBIN-ART

Sex/Age

Panic Range

Reference Range

150 Years

.4 - 1.5 %

123041774-OXYHEMOGLOBIN-ART

Sex/Age

Panic Range

Reference Range

6 Months

90 - 95 %

150 Years

94 - 100 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041812-PCO2-ARTERIAL

Sex/Age

Panic Range

Reference Range

Male, 6 Months

> 70 or < 10

5 - 250 TORR

Female, 6 Months

> 70 or < 10

5 - 250 TORR

Male, 150 Years

> 70 or < 10

5 - 250 TORR

Female, 150 Years

> 70 or < 10

5 - 250 TORR

123041850-PH-ARTERIAL

Sex/Age

Panic Range

Reference Range

Male, 31 Days

> 7.50 or < 7.20

6.00 - 8.00

Male, 6 Months

> 7.60 or < 7.20

6.00 - 8.00

Male, 150 Years

> 7.60 or < 7.20

6.00 - 8.00

Female, 31 Days

> 7.50 or < 7.20

6.00 - 8.00

Female, 6 Months

> 7.60 or < 7.20

6.00 - 8.00

Female, 150 Years

> 7.60 or < 7.20

6.00 - 8.00

421-PO2-ARTERIAL

Sex/Age

Panic Range

Reference Range

6 Months

> 350 or < 40

800 TORR

150 Years

> 350 or < 40

800 TORR

123042010-POTASSIUM-WB,PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 6.0 or < 2.5

3.4 - 4.5 mmol/L

123042344-SODIUM-WB PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 160 or < 120

135 - 150 mmol/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

OR: BLD GAS PROFILE-VEN----LAB2312

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant\par }

123040316-BASE EXCESS-VEINOUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 999.0 or < -999.0	-2.0 - 2.0 meq/L
123040390-CALCIUM,IONIZED-WB,PLASMA	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 1.45 or < .75	.90 - 1.20 mmol/L
123040418-CARBOXYHEMOGLOBIN-VEN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 30.0	1.0 - 1.5 %
123041118-GLUCOSE-WB PLASMA	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 500 or < 50	70 - 150 mg/dL
123041191-HEMOGLOBIN,TOTAL-VEN	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
	Female, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
	Female	> 20.0 or < 5.0	2.0 - 27.0 gm/dL
	Male, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
	Male, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
	Male, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
	Male, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Male	> 20.0 or < 5.0	2.0 - 27.0 gm/dL
	Female, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
	Female, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
123041565-METHEMOGLOBIN-VEN	Sex/Age	Panic Range	Reference Range
	150 Years		.4 - 1.5 %
123041778-OXYHEMOGLOBIN-VEN	Sex/Age	Panic Range	Reference Range
	150 Years		70 - 76 %
123041818-PCO2-VENOUS	Sex/Age	Panic Range	Reference Range
	150 Years		5 - 250 TORR
123041874-PH-VENOUS	Sex/Age	Panic Range	Reference Range
	150 Years	> 7.60 or < 7.20	7.33 - 7.43
123041929-PO2-VENOUS	Sex/Age	Panic Range	Reference Range
	150 Years		800 TORR
123042010-POTASSIUM-WB,PLASMA	Sex/Age	Panic Range	Reference Range
	150 Years	> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123042344-SODIUM-WB PLASMA	Sex/Age	Panic Range	Reference Range
	150 Years	> 160 or < 120	135 - 150 mmol/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

OSMOLALITY, TOTAL----LAB107

Collection Requirements

123041744-OSMOLALITY,TOTAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 350 or < 240	272 - 297 MOSM/KG

OSMOLALITY-URINE----LAB420

Collection Requirements

123041745-OSMOLALITY,URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		500 - 800 mosm/kg

Collection Requirements aw samples no more than three times. Avoid assaying lipemic or hemolyzed samples.\par }

123040112-ALBUMIN,BCG-SERUM	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		3.5 - 5.0 gm/dL

123040387-CALCIUM,ALBUMIN ADJUSTED	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 14.0 or < 6.5	8.9 - 10.3 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123040392-CALCIUM,TOTAL SERUM

Sex/Age

Panic Range

Reference Range

150 Years

> 14.0

4.0 - 18.0 mg/dL

123041793-PARATHYROID HORMONE,INTACT

Sex/Age

Panic Range

Reference Range

150 Years

12.0 - 88.0 pg/mL

PH,DIPSTICK-URINE----LAB2405

Collection Requirements

123041844-PH, QUANT-URINE

Sex/Age

Panic Range

Reference Range

5 - 8

PHENOBARBITAL-SERUM----LAB30

Collection ion, concomitant drug therapy, and biological variations affecting drug disposition.\par - Measure the
Requirements steady-state serum concentration representing the trough level just before the next scheduled dose.\par }

123041857-PHENOBARBITAL

Sex/Age

Panic Range

Reference Range

150 Years

> 60.0

60.0 mcg/mL

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Please collect in a Gold Top
tube. This test requires serum or plasma. Whole blood cannot be used. The anticoagulants heparin, citrate,
oxalate, and EDTA have been tested and may be used. \par Draw a sample within two to four hours after an
intravenous loading dose and, at steady state, collect a specimen representing the trough level just before the
next scheduled dose.\par }

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041861-PHENYTOIN

Sex/Age

Panic Range

Reference Range

150 Years

> 30.0

2.5 - 200.0 mcg/mL

Collection Requirements

123041869-PHOSPHORUS,INORG-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

2.4 - 4.7 mg/dL

PHOSPHORUS, INORG-URINE----LAB427

Collection Requirements

123041870-PHOSPHORUS,INORG-URINE

Sex/Age

Panic Range

Reference Range

999 Years

10 - 200 mg/dL

PHOSPHORUS,HID----LAB5571

Collection Requirements {rft1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \fcharset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma, free from hemolysis, are the recommended specimens. Remove serum from clot as soon as possible to minimize hemolysis. Citrate and oxalate anticoagulants interfere with the assay.\par }

123043041-PHOSPHORUS,HID

Sex/Age

Panic Range

Reference Range

150 Years

2.4 - 4.7 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

PH-WB PLASMA, ART----LAB2091

Collection Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.

123041850-PH-ARTERIAL

Sex/Age

Panic Range

Reference Range

Male, 31 Days

> 7.50 or < 7.20

6.00 - 8.00

Male, 6 Months

> 7.60 or < 7.20

6.00 - 8.00

Male, 150 Years

> 7.60 or < 7.20

6.00 - 8.00

Female, 31 Days

> 7.50 or < 7.20

6.00 - 8.00

Female, 6 Months

> 7.60 or < 7.20

6.00 - 8.00

Female, 150 Years

> 7.60 or < 7.20

6.00 - 8.00

PH-WB PLASMA, VEN----LAB75

Collection Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.

123041874-PH-VEINOUS

Sex/Age

Panic Range

Reference Range

150 Years

> 7.60 or < 7.20

7.33 - 7.43

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

PH-WB PLASMA,MICRO----LAB2313

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

123041864-PH-MICRO	Sex/Age	Panic Range	Reference Range
	Male, 6 Months	> 7.60 or < 7.00	7.30 - 7.40
	Female, 6 Months	> 7.60 or < 7.00	7.30 - 7.40
	Male, 150 Years	> 7.60 or < 7.00	7.35 - 7.45
	Female, 150 Years	> 7.60 or < 7.00	7.40 - 7.45

PLATELET COUNT,CITRATE----LAB2390

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Collect blood in citrate blue
Requirements top tube. Mix by inversion 10 times.Only a platelet count is performed on a citrate tube.Order and submit CBC
in purple top tube if other CBC tests are required.\par }

123041901-PLATELET COUNT-BLOOD	Sex/Age	Panic Range	Reference Range
	1 Years	> 900 or < 30	150 - 400 K/mcL
	18 Years	> 900 or < 30	148 - 362 K/mcL
		> 900 or < 50	148 - 362 K/mcL

123042780-PLATELET COUNT-CITRATED BLO	Sex/Age	Panic Range	Reference Range
	1 Years	> 900 or < 30	150 - 400 K/mcL
	18 Years	> 900 or < 30	140 - 440 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

> 900 or < 50

140 - 440 K/mcL

PLATELET COUNT-BLOOD----LAB301

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Collect blood into a dark
Requirements purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.\par }

123041901-PLATELET COUNT-BLOOD

Sex/Age

Panic Range

Reference Range

1 Years

> 900 or < 30

150 - 400 K/mcL

18 Years

> 900 or < 30

148 - 362 K/mcL

> 900 or < 50

148 - 362 K/mcL

PLATELET FUNCTION ASSAY----LAB2348

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 2 light blue top tubes are
Requirements required for testing.\par }

123040679-COLLAGEN/ADP

Sex/Age

Panic Range

Reference Range

0 - 118 sec

123040680-COLLAGEN/EPI

Sex/Age

Panic Range

Reference Range

0 - 193 sec

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

PLATELET FUNCTION- P2Y12----LAB3084

Collection Requirements \par \par
 1. Fresh whole blood samples should be collected from venous sites using a 21 gauge or larger needle into two Greiner Bio-One (Blue Top) Vacuette Containers. Greiner tubes can be obtained from the laboratory.\par
 2. ***If drawing from a line, collect a discard tube first (at least 2 mL). Use a plain blue top (sodium citrate) tube as a discard tube. \par
 3. The Greiner Bio-One (Blue Top) Vacuette Containers must be filled to the black line/arrow.\par
 4. Gently invert the Greiner Bio-One (Blue Top) Vacuette Containers at least 5 times to ensure complete mixing of the contents. Samples with evidence of clotting should not be used for testing.\par
 5. Blood must set a minimum of 10 minutes after collection before testing but no longer than 4 hours.\par
 \par Blood Sample Collection from Indwelling Venous Catheters:\par \par
 1. Whole blood samples that are obtained f

123000123-P2Y12 RESPONSE	Sex/Age	Panic Range	Reference Range
			1 - 999 PRU

POC BLD GAS+LYTES-ARTERIAL,HID----LAB5577

Collection Requirements

123041931-POCT BASE EXCESS-ARTERIAL	Sex/Age	Panic Range	Reference Range
			-2.0 - 2.0 mEq/L
123041936-POCT CALCIUM,IONIZED (METER)	Sex/Age	Panic Range	Reference Range
		> 1.40 or < .75	.90 - 1.20 mmol/L
123042794-POCT GLUCOSE(METER)	Sex/Age	Panic Range	Reference Range
	150 Years	> 450 or < 40	70 - 150 mg/dL
123043044-POCT HCO3(METER)-ARTERIAL	Sex/Age	Panic Range	Reference Range
			21 - 31 mEq/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041946-POCT HEMATOCRIT (METER)

Sex/Age

Panic Range

Reference Range

Female, 7 Days		44 - 64 %
Male		40 - 50 %
Female, 30 Days		35 - 49 %
Female, 2 Years		30 - 40 %
Female, 14 Years		31 - 43 %
Female		35 - 45 %
Male, 7 Days		44 - 64 %
Male, 30 Days		35 - 49 %
Male, 2 Years		30 - 40 %
Male, 14 Years		31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

Sex/Age

Panic Range

Reference Range

Male, 7 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/dL
Female, 30 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
	Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL
123041955-POCT PCO2-ARTERIAL	Sex/Age	Panic Range	Reference Range
	Female, 6 Months		30 - 35 TORR
	Female		40 - 45 TORR
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041963-POCT PH-ARTERIAL	Sex/Age	Panic Range	Reference Range
	Female, 181 Days	> 7.60 or < 7.00	6.50 - 8.20
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.35 - 7.45
123041971-POCT PO2-ARTERIAL	Sex/Age	Panic Range	Reference Range
	181 Days		60 - 90 TORR
			80 - 110 TORR
123041975-POCT POTASSIUM (METER)	Sex/Age	Panic Range	Reference Range
		> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123041976-POCT SO2 (METER)-ARTERIAL	Sex/Age	Panic Range	Reference Range
			0 - 100 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041980-POCT SODIUM (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 160 or < 125	135 - 150 mmol/L
123041984-POCT TCO2(METER)-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			22 - 32 TORR

POC BLD GAS+LYTES-VENOUS,HID----LAB5576

Collection Requirements

123041934-POCT BASE EXCESS-VENOUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			-30.0 - 30.0 mEq/L
123041936-POCT CALCIUM,IONIZED (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 1.40 or < .75	.90 - 1.20 mmol/L
123042794-POCT GLUCOSE(METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 450 or < 40	70 - 150 mg/dL
123041945-POCT HCO3 (METER)-VENOUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			1 - 85 TORR
123041946-POCT HEMATOCRIT (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female, 7 Days		44 - 64 %
	Male		40 - 50 %
	Female, 30 Days		35 - 49 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 2 Years	30 - 40 %
Female, 14 Years	31 - 43 %
Female	35 - 45 %
Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/dL

123041958-POCT PCO2-VENOUS

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041966-POCT PH-VEINUS			38 - 48 TORR
		> 7.60 or < 7.00	7.33 - 7.43
123041974-POCT PO2-VEINUS			37 - 43 TORR
	181 Days		37 - 43 TORR
123041975-POCT POTASSIUM (METER)			3.4 - 4.5 mmol/L
		> 6.0 or < 2.5	
123041979-POCT SO2 (METER)-VEINUS			0 - 100 TORR
123041980-POCT SODIUM (METER)			135 - 150 mmol/L
		> 160 or < 125	
123041983-POCT TCO2 (METER)-VEINUS			5 - 50 TORR
POCT - ACT - CELITE----LAB4089			
Collection Requirements			
823042998-ACT - CELITE			50.0 - 1000.0 Sec

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

POCT BLD GAS+LYTES-VENOUS CGOC----LAB2471

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041934-POCT BASE EXCESS-VENOUS			-2.0 - 2.0 mEq/L
123041936-POCT CALCIUM,IONIZED (METER)		> 1.40 or < .75	.90 - 1.20 mmol/L
123042794-POCT GLUCOSE(METER)	150 Years	> 450 or < 40	40 - 450 mg/dL
123041945-POCT HCO3 (METER)-VENOUS			1 - 85 TORR
123041946-POCT HEMATOCRIT (METER)	Female, 7 Days		44 - 64 %
	Male		15 - 75 %
	Female, 30 Days		35 - 49 %
	Female, 2 Years		30 - 40 %
	Female, 14 Years		31 - 43 %
	Female		35 - 45 %
	Male, 7 Days		44 - 64 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041947-POCT HEMOGLOBIN (METER)	Male, 30 Days		35 - 49 %
	Male, 2 Years		30 - 40 %
	Male, 14 Years		31 - 43 %
123041947-POCT HEMOGLOBIN (METER)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Male, 7 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
	Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
	Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
	Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
	Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
	Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
	Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
	Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL
	123041958-POCT PCO2-VENOUS	<u>Sex/Age</u>	<u>Panic Range</u>
			38 - 48 TORR
123041966-POCT PH-VENOUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
		> 7.60 or < 7.00	7.33 - 7.43
123041974-POCT PO2-VENOUS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	181 Days		37 - 43 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041975-POCT POTASSIUM (METER)			37 - 43 TORR
		> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123041979-POCT SO2 (METER)-VENOUS			0 - 100 TORR
123041980-POCT SODIUM (METER)			135 - 150 mmol/L
		> 160 or < 125	
123041983-POCT TCO2 (METER)-VENOUS			5 - 50 TORR

POCT BLD GAS+LYTES-VENOUS EGCL----POC144

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041934-POCT BASE EXCESS-VENOUS			-2.0 - 2.0 mEq/L
123041945-POCT HCO3 (METER)-VENOUS			1 - 85 TORR
123041946-POCT HEMATOCRIT (METER)			
	Female, 7 Days		44 - 64 %
	Male		40 - 50 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 30 Days	35 - 49 %
Female, 2 Years	30 - 40 %
Female, 14 Years	31 - 43 %
Female	35 - 45 %
Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/dL
Female, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 25.5 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041958-POCT PCO2-VENOUS			5 - 130 TORR
123041966-POCT PH-VENOUS		> 7.60 or < 7.00	7.33 - 7.43
123041974-POCT PO2-VENOUS	181 Days		37 - 43 TORR 37 - 43 TORR
123041975-POCT POTASSIUM (METER)		> 6.0 or < 2.5	3.4 - 4.5 mmol/L
123041979-POCT SO2 (METER)-VENOUS			0 - 100 TORR
123041980-POCT SODIUM (METER)		> 160 or < 125	135 - 150 mmol/L
123041983-POCT TCO2 (METER)-VENOUS			5 - 50 TORR

POCT BLOOD GAS -VENOUS G3EI----LAB2495

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041933-POCT BASE EXCESS-MICRO			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041944-POCT HCO3 (METER)-MICRO			-2.0 - 2.0 mEq/L
123041957-POCT PCO2-MICRO			1 - 85 TORR
	Female, 6 Months		30 - 35 TORR
	Female		40 - 45 TORR
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041965-POCT PH-MICRO			
	Female, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.00 - 7.60
123041973-POCT PO2-MICRO			
	181 Days		60 - 90 TORR
			80 - 110 TORR
123041978-POCT SO2 (METER)-MICRO			
			0 - 100 %
123041982-POCT TCO2 (METER)-MICRO			
	999 Years		22 - 32 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

POCT BLOOD GAS-ARTERIAL G3EI----LAB2492

Collection
Requirements

123041931-POCT BASE EXCESS-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			-2.0 - 2.0 mEq/L
123041955-POCT PCO2-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female, 6 Months		5 - 130 TORR
	Female		40 - 45 TORR
	Male, 6 Months		30 - 35 TORR
	Male		35 - 45 TORR
123041963-POCT PH-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Female, 181 Days	> 7.60 or < 7.00	7.00 - 7.60
	Male, 181 Days	> 7.60 or < 7.00	7.30 - 7.40
	Female	> 7.60 or < 7.00	7.40 - 7.45
	Male	> 7.60 or < 7.00	7.35 - 7.45
123041971-POCT PO2-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	181 Days		60 - 90 TORR
			80 - 110 TORR
123041976-POCT SO2 (METER)-ARTERIAL	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041984-POCT TCO2(METER)-ARTERIAL			0 - 100 %
POCT BLOOD GAS-VENOUS G3EI----LAB2305			22 - 32 TORR
Collection Requirements			
123041934-POCT BASE EXCESS-VENOUS			
			-2.0 - 2.0 mEq/L
123041945-POCT HCO3 (METER)-VENOUS			
			1 - 85 TORR
123041958-POCT PCO2-VENOUS			
			38 - 48 TORR
123041966-POCT PH-VENOUS			
		> 7.60 or < 7.00	7.33 - 7.43
123041974-POCT PO2-VENOUS			
	181 Days		37 - 43 TORR
			37 - 43 TORR
123041979-POCT SO2 (METER)-VENOUS			
			0 - 100 TORR

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041983-POCT TCO2 (METER)-VENOUS

Sex/Age

Panic Range

Reference Range

5 - 50 TORR

POCT CHEM8 (METER)----LAB5026

Collection
Requirements

123041930-POCT ANION GAP (METER)

Sex/Age

Panic Range

Reference Range

8 - 20

123041936-POCT CALCIUM,IONIZED (METER)

Sex/Age

Panic Range

Reference Range

> 1.40 or < .75

.90 - 1.20 mmol/L

123041937-POCT CHLORIDE (METER)

Sex/Age

Panic Range

Reference Range

95 - 110 mEq/L

123000070-POCT CREATININE

Sex/Age

Panic Range

Reference Range

Female

.4 - 1.0 mg/dL

Male

.7 - 1.2 mg/dL

123042794-POCT GLUCOSE(METER)

Sex/Age

Panic Range

Reference Range

150 Years

> 450 or < 40

20 - 700 mg/dL

123041946-POCT HEMATOCRIT (METER)

Sex/Age

Panic Range

Reference Range

Female, 7 Days

44 - 64 %

Male

40 - 50 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Female, 30 Days	35 - 49 %
Female, 2 Years	30 - 40 %
Female, 14 Years	31 - 43 %
Female	35 - 45 %
Male, 7 Days	44 - 64 %
Male, 30 Days	35 - 49 %
Male, 2 Years	30 - 40 %
Male, 14 Years	31 - 43 %

123041947-POCT HEMOGLOBIN (METER)

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 7 Days	> 24.1 or < 12.0	5.1 - 25.5 gm/dL
Female, 30 Days	> 24.1 or < 12.0	5.1 - 25.5 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female	> 20.0 or < 5.0	11.5 - 15.5 gm/dL
Male, 30 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 5.0	13.5 - 17.5 gm/dL
Female, 7 Days	> 24.1 or < 12.0	5.1 - 24.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123041975-POCT POTASSIUM (METER)		> 6.0 or < 2.5	2.0 - 9.0 mmol/L
123041980-POCT SODIUM (METER)		> 160 or < 125	135 - 150 mmol/L
123041983-POCT TCO2 (METER)-VENOUS			5 - 50 TORR
123041985-POCT UREA NITROGEN (METER)		> 150	150 mg/dL

POCT CREATININE (METER)----LAB2496

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123000070-POCT CREATININE	Female		.4 - 1.0 mg/dL
	Male		.7 - 1.2 mg/dL

POCT GLUCOSE - CAPILLARY----POC10

Collection Requirements

Test/Component	Sex/Age	Panic Range	Reference Range
123041940-POCT GLUCOSE(METER)			

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

> 500 or < 50

70 - 150 mg/dL

POCT GLUCOSE(METER)-MICRO----LAB2473

Collection
Requirements

123041940-POCT GLUCOSE(METER)

Sex/Age

Panic Range

Reference Range

> 500 or < 50

70 - 150 mg/dL

POCT GLUCOSE(METER)-VEN----LAB2479

Collection
Requirements

123041939-POCT GLUCOSE (METER)

Sex/Age

Panic Range

Reference Range

> 450 or < 40

70 - 150 mg/dL

POCT PROTHROMBIN TIME (METER)----LAB2480

Collection
Requirements

123041366-INR (METER)

Sex/Age

Panic Range

Reference Range

> 5.0

2.0 - 3.5

123042068-PROTHROMBIN TIME (METER)

Sex/Age

Panic Range

Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

18 Years	> 27.5	11.0 - 66.0 sec
150 Years	> 59.0	11.0 - 66.0 sec

POCT, LACTATE-VEINUS----LAB50198

Collection Requirements

123042910-POCT, LACTATE-VEINUS	Sex/Age	Panic Range	Reference Range
	150 Years	> 2.00 or < .50	.30 - 20.00 mmol/L

POCT,TROPONIN (METER)----LAB5229

Collection Requirements

123000071-POCT TROPONIN	Sex/Age	Panic Range	Reference Range
	150 Years	> .2	0 - 50 ng/mL

POTASSIUM- 24 HOUR URINE----LAB6002

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\fs20 Collect urine in a 24 hour urine container.\par }

123042005-POTASSIUM,24HR-URINE	Sex/Age	Panic Range	Reference Range
	150 Years		25 - 125 meq/24hr

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042009-POTASSIUM-URINE

Sex/Age

Panic Range

Reference Range

99 Years

20 - 200 meq/L

POTASSIUM, BODY FLUID----LAB193

Collection
Requirements

123042006-POTASSIUM,FLUID

Sex/Age

Panic Range

Reference Range

150 Years

1.0 - 15.0 meq/L

POTASSIUM-PLASMA----LAB2098

Collection
Requirements

123042007-POTASSIUM-PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 6.0 or < 2.5

3.4 - 4.5 mEq/L

Collection
Requirements

123042008-POTASSIUM-SERUM

Sex/Age

Panic Range

Reference Range

30 Days

> 7.0 or < 2.5

3.4 - 5.1 meq/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

150 Years

> 6.0 or < 2.5

3.4 - 5.1 meq/L

POTASSIUM-URINE----LAB2223

Collection Requirements

123042005-POTASSIUM,24HR-URINE

Sex/Age

Panic Range

Reference Range

150 Years

25 - 125 meq/24hr

123042009-POTASSIUM-URINE

Sex/Age

Panic Range

Reference Range

99 Years

20 - 200 meq/L

POTASSIUM-WB PLASMA----LAB2099

Collection Requirements

123042010-POTASSIUM-WB,PLASMA

Sex/Age

Panic Range

Reference Range

150 Years

> 6.0 or < 2.5

3.4 - 4.5 mmol/L

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting serum specimen, free from hemolysis, is the recommended specimen. Avoid highly lipemic samples, which may produce excessively high scatter signals.\par }

123042011-PREALBUMIN-SERUM

Sex/Age

Panic Range

Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

150 Years

17 - 34 mg/dL

Collection Requirements once.\par C. Use the following guidelines when preparing specimens, unless instructed otherwise in the product insert:\par 1. Ensure residual fibrin and cellular matter has been removed prior to analysis.\par 2. Follow blood collection tube manufacturer's recommendations for centrifugation.\par D. Each laboratory should determine the acceptability of its own blood collection tubes and serum separation products. Variations in these products may exist between manufacturers and, at times, from lot-to-lot.\par E. Frozen specimens can be stored up to six months before testing.\par }

123041158-HCG,QUANT-SERUM

Sex/Age

Panic Range

Reference Range

Male, 150 Years

0 - 3 mIU/mL

Female, 150 Years

0 - 5 mIU/mL

1 mIU/mL

Collection Requirements

123042682-PROCALCITONIN-SERUM

Sex/Age

Panic Range

Reference Range

0.00 - .50 NG/ML

PROLACTIN-SERUM----LAB531

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Serum and plasma (heparin) are the recommended samples. Observe the following recommendations for handling, processing, and storing blood samples. Collect all blood samples observing routine precautions for venipuncture. Allow serum samples to clot completely before centrifugation. Keep tubes stoppered at all times. Within two hours after centrifugation, transfer at least 500 µL of cell-free sample to a storage tube. Tightly stopper the tube immediately. Store samples tightly stoppered at room temperature (15 to 30°C) for no longer than eight hours. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8°C. If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20°C or colder. Thaw sa

123042040-PROLACTIN-SERUM	Sex/Age	Panic Range	Reference Range
	Female, 55 Years		3.3 - 26.7 ng/mL
	Female, 150 Years		2.7 - 19.6 ng/mL
	Male, 150 Years		2.6 - 13.1 ng/mL
			.3 - 2000.0 ng/mL

Collection Requirements Serum is the recommended sample. Plasma samples should not be used. Specimens for PSA testing should be drawn prior to such prostatic manipulations as digital rectal exam (DRE), prostatic massage, transrectal ultrasound (TRUS), and prostatic biopsy. DRE may cause a transient increase in serum PSA levels. A repeat PSA measurement in the case of borderline elevation has been recommended. Transrectal needle biopsy has also been shown to cause persisting PSA elevations. Thus, a 6 week waiting period between needle biopsy and PSA sampling has been recommended. Only blood drawn by an acceptable medical technique into a collection tube with no anticoagulants should be used. Specimens should be collected in such a way as to avoid hemolysis. The specimen should be allowed to clot fully and the serum separated by centrifugation. If the specimens

123042049-PROSTATE SPECIFIC AG-SERUM	Sex/Age	Panic Range	Reference Range
	Male, 150 Years		4.00 ng/mL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

PROT ELECT CSF - CSF----LAB4003

Collection
Requirements

123040114-ALBUMIN,IMMUNOLOGIC-CSF	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		.6 - 6000.0 mg/dL
123041343-IMMUNOGLOBULIN IGG,CSF	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		5.8 mg/dL
123042062-PROTEIN,TOTAL-CSF	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		4 - 3000 mg/dL

PROT ELECT CSF - SERUM----LAB4004

Collection
Requirements

123040115-ALBUMIN,IMMUNO-SERUM	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		22 - 6000 mg/dL
123041344-IMMUNOGLOBULIN IGG-SERUM	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		635 - 1741 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

PROT ELECTROPHORESIS-CSF----LAB2224

Collection
Requirements

123040114-ALBUMIN,IMMUNOLOGIC-CSF	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		.6 - 6000.0 mg/dL
123042062-PROTEIN,TOTAL-CSF	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		4 - 3000 mg/dL

PROTEIN- 24 HOUR URINE----LAB6004

Collection
Requirements

123042053-PROTEIN,24HR URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		10 - 100 mg/24hr
123042064-PROTEIN,TOTAL-URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		4 - 6000 mg/dL

PROTEIN C ACTIVITY----LAB489

Collection
Requirements

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042051-PROTEIN C ACTIVITY

Sex/Age

Panic Range

Reference Range

60 - 140 %

Collection
Requirements

123042053-PROTEIN,24HR URINE

Sex/Age

Panic Range

Reference Range

150 Years

10 - 100 mg/24hr

123042064-PROTEIN,TOTAL-URINE

Sex/Age

Panic Range

Reference Range

150 Years

4 - 6000 mg/dL

Collection
Requirements

123041059-GAMMA GLOBULIN-SPE

Sex/Age

Panic Range

Reference Range

150 Years

.6 - 1.8 gm/dL

123042063-PROTEIN,TOTAL-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

6.0 - 8.3 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

PROTEIN S ACTIVITY----LAB491

Collection
Requirements

123042052-PROTEIN S ACTIVITY

Sex/Age

Panic Range

Reference Range

63.5 - 149.0 %

PROTEIN, BODY FLUID----LAB196

Collection
Requirements

123042054-PROTEIN,FLUID

Sex/Age

Panic Range

Reference Range

150 Years

3.0 - 36.0 gm/dL

PROTEIN, CSF----LAB195

Collection
Requirements

{\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Beckman Coulter recommends that CSF samples be collected in plain collection devices or sodium fluoride-potassium oxalate tubes. Care should be taken to avoid blood contamination during collection.\par }

123042062-PROTEIN,TOTAL-CSF

Sex/Age

Panic Range

Reference Range

150 Years

4 - 3000 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

PROTEIN, TOTAL-SERUM---LAB118

Collection Requirements Serum samples, free from hemolysis, are the recommended specimens. Plasma is not recommended since fibrinogen in the sample will add to the protein measured. If plasma must be used, the recommended anticoagulant is heparin.

123042063-PROTEIN, TOTAL-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

6.0 - 8.3 gm/dL

Collection Requirements Collect urine in a 24 hour urine container.

123042053-PROTEIN, 24HR URINE

Sex/Age

Panic Range

Reference Range

150 Years

10 - 100 mg/24hr

123042064-PROTEIN, TOTAL-URINE

Sex/Age

Panic Range

Reference Range

150 Years

4 - 6000 mg/dL

PT WITH INR---LAB320

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3mL. Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.

123041365-INR

Sex/Age

Panic Range

Reference Range

> 5.0

5.0

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042067-PROTHROMBIN TIME	Sex/Age	Panic Range	Reference Range
	18 Years	> 27.5	9.4 - 12.5 sec
		> 59.0	9.4 - 12.5 sec

PT, HEPZYMED----LAB2351

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3ml.
Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.

123041369-INR,HEPZYMED	Sex/Age	Panic Range	Reference Range
		> 5.0	5.0

123042070-PROTHROMBIN TIME,HEPZYMED	Sex/Age	Panic Range	Reference Range
		> 59.0	9.4 - 12.5 sec

RBC MORPHOLOGY----LAB2105

Collection Requirements

123042131-MCV	Sex/Age	Panic Range	Reference Range
	2 Years		74 - 84 fL
	5 Years		73 - 85 fL
	10 Years		75 - 87 fL
	12 Years		76 - 90 fL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

999 Years

81 - 100.2 fL

8 Days

91 - 123 fL

Collection Requirements

1558170-CALCIUM

Sex/Age

Panic Range

Reference Range

> 13.0 or < 5.0

8.7 - 10.7 mg/dL

RENAL PANEL,HID----LAB5566

Collection Requirements Serum or heparinized plasma samples, free from hemolysis, are the recommended specimens. The use of anticoagulants which bind magnesium, such as EDTA, oxalate and citrate, must be avoided. Fresh, random collection is recommended for urine specimens.

123043043-ALBUMIN, HID

Sex/Age

Panic Range

Reference Range

150 Years

3.3 - 5.5 g/dL

123043012-CALCIUM,HID

Sex/Age

Panic Range

Reference Range

150 Years

> 14

8.9 - 10.3 mg/dL

123043013-CHLORIDE,HID

Sex/Age

Panic Range

Reference Range

150 Years

101 - 111 mmol/L

123043014-CREATININE,HID

Sex/Age

Panic Range

Reference Range

Female, 150 Years

.4 - 1 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123043015-GLUCOSE,HID	Male, 150 Years		.7 - 1.2 mg/dL
	8 Days	> 150 or < 40	70 - 125 mg/dL
	18 Years	> 400 or < 50	70 - 125 mg/dL
	150 Years	> 500 or < 50	70 - 125 mg/dL
123043041-PHOSPHORUS,HID	150 Years		2.4 - 4.7 mg/dL
	30 Days	> 7 or < 2.5	3.4 - 5.1 mmol/L
123043016-POTASSIUM,HID	150 Years		132 - 144 mmol/L
	150 Years	> 160 or < 120	132 - 144 mmol/L
123043017-SODIUM,HID	150 Years		22 - 32 mmol/L
	150 Years	> 40 or < 10	22 - 32 mmol/L
123043019-TCO2,HID	150 Years		8 - 22 mg/dL
	150 Years	> 150	8 - 22 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

RETIC PANEL----LAB50191

Collection Requirements Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.

123042187-RETIC %-BLOOD	Sex/Age	Panic Range	Reference Range
	999 Years		.72 - 2.46 %
123042188-RETIC,IMMATURE FRACTION-BLO	Sex/Age	Panic Range	Reference Range
	999 Years		.23 - .52
123042189-RETIC-ABSOLUTE	Sex/Age	Panic Range	Reference Range
	999 Years		32.0 - 120.0 K/mcL

Collection Requirements Serum samples are recommended. Plasma samples (Lithium Heparin and Sodium Heparin) can be used. EDTA is an unacceptable anticoagulant. Serum or plasma samples should be collected in the manner routinely used for any clinical laboratory test. Freshly drawn serum or plasma from a fasting individual is preferred. Anticoagulants tested are listed in the PROCEDURAL NOTES section of this chemistry information sheet. Verbal requests for add-on testing must be followed by a printed requisition. Inform the requesting area to indicate "ADD-ON" on the requisition.

123042205-RHEUMATOID FACTOR-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years		43 IU/ mL

RNP ANTIBODY SCREEN----LAB772

Collection Requirements

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042223-RNP ANTIBODY UNITS

Sex/Age

Panic Range

Reference Range

0 - 999 AU/ML

SALICYLATE-SERUM---LAB34

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 - Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, sodium heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.\par - Sample volume is instrument-dependent. Refer to the appropriate analyzer-specific protocol.\par - Pharmacokinetic factors influence the relationship between the observed drug level and the time elapsed since drug ingestion. These factors include dosage form, mode of administration, concomitant drug therapy, and biological variations affecting drug disposition.\par - Serum levels drawn less than 6 hours after a toxic dose can be used to confirm overdose, but to use the Done nomogr

123042261-SALICYLATE

Sex/Age

Panic Range

Reference Range

150 Years

> 30.0

20.0 mg/dL

SATURATION PROFILE-ART---LAB718

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \modern \charset0 Arial;}}\plain\f0\fs20 Whole blood samples use syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

123040415-CARBOXYHEMOGLOBIN-ART

Sex/Age

Panic Range

Reference Range

150 Years

> 30.0

1.0 - 1.5 %

123041188-HEMOGLOBIN,TOTAL-ART

Sex/Age

Panic Range

Reference Range

Female

> 20.0 or < 5.0

11.5 - 15.5 gm/dL

Male, 8 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Male

> 20.0 or < 5.0

2.0 - 27.0 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
Female, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
Female, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/dL

123041562-METHEMOGLOBIN-ART

Sex/Age

Panic Range

Reference Range

150 Years

.4 - 1.5 %

123041774-OXYHEMOGLOBIN-ART

Sex/Age

Panic Range

Reference Range

6 Months

90 - 95 %

150 Years

94 - 100 %

SATURATION PROFILE-MICRO----LAB2316

Collection {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use
Requirements syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }

123040416-CARBOXYHEMOGLOBIN-MICRO

Sex/Age

Panic Range

Reference Range

150 Years

> 30.0

1.0 - 1.5 %

123041189-HEMOGLOBIN,TOTAL-MICRO

Sex/Age

Panic Range

Reference Range

Male

> 20.0 or < 5.0

2.0 - 27.0 gm/mL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/mL
Male, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/mL
Male, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/mL
Male, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/mL
Female, 8 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/mL
Female, 31 Days	> 24.1 or < 12.0	2.0 - 27.0 gm/mL
Female, 2 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/mL
Female, 18 Years	> 24.1 or < 6.0	2.0 - 27.0 gm/mL
Female	> 20.0 or < 5.0	2.0 - 27.0 gm/mL

123041563-METHEMOGLOBIN-MICRO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
150 Years		.4 - 1.5 %

123041776-OXYHEMOGLOBIN-MICRO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
6 Months		90 - 95 %
150 Years		94 - 100 %

SATURATION PROFILE-VEN----LAB717

Collection Requirements `{\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Whole blood samples use syringe or capillary tube containing balanced heparin of lithium heparin as the anticoagulant.\par }`

123040418-CARBOXYHEMOGLOBIN-VEN

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
150 Years	> 30.0	1.0 - 1.5 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123041191-HEMOGLOBIN,TOTAL-VEN

Sex/Age

Panic Range

Reference Range

Female, 2 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Female, 18 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Female

> 20.0 or < 5.0

2.0 - 27.0 gm/dL

Male, 8 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Male, 31 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

Male, 2 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Male, 18 Years

> 24.1 or < 6.0

2.0 - 27.0 gm/dL

Male

> 20.0 or < 5.0

2.0 - 27.0 gm/dL

Female, 8 Days

> 24.1 or < 12.0

12.0 - 24.1 gm/dL

Female, 31 Days

> 24.1 or < 12.0

2.0 - 27.0 gm/dL

123041565-METHEMOGLOBIN-VEN

Sex/Age

Panic Range

Reference Range

150 Years

.4 - 1.5 %

123041778-OXYHEMOGLOBIN-VEN

Sex/Age

Panic Range

Reference Range

150 Years

70 - 76 %

SCL-70 AB SCREEN----LAB2108

Collection
Requirements

123042270-SCL-70 ANTIBODY UNITS

Sex/Age

Panic Range

Reference Range

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

0 - 999 AU/ML

Collection Requirements Collect blood into a dark purple or light purple top tube. Mix by inverting 10 times. Tube must contain at least 1.5 mL of blood to perform this test.

123043373-SED RATE, CAPILLARY PHOTOME

Sex/Age

Panic Range

Reference Range

Male, 50 Years

2 - 28 mm/hr

Male

2 - 37 mm/hr

Female, 50 Years

2 - 37 mm/hr

Female

2 - 39 mm/hr

SED RATE, WESTERGREN----LAB50716

Collection Requirements Collect blood into a dark purple or light purple top tube. Mix by inverting 10 times. Tube must contain at least 1 mL of blood to perform this test.

123042273-SED RATE,WESTERGREN

Sex/Age

Panic Range

Reference Range

Female

0 - 20 mm/hr

Male

0 - 15 mm/hr

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

SEMEN ANALYSIS----LAB216

Collection Requirements

123042282-SEMEN CONCENTRATION	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Male		15 M/mL
123042700-SEMEN PH	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			7.2
123042278-SEMEN,% TOTAL MOTILITY AT 1 H	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			40 %
123042281-SEMEN,NORMAL FORMS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Male		4 %
123042283-SEMEN,TOTAL VOLUME	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			1.5 mL

Collection Requirements Serum or heparinized plasma free from hemolysis is the recommended specimen. The concentration of AST in red cells is roughly 15 times that of normal serum; therefore, hemolysis should be avoided.

123042300-AST (SGOT)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		10 - 42 U/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum or heparinized plasma, free from hemolysis are the recommended samples. EDTA plasma can be used also. However, ALT levels in EDTA plasma should be corrected by multiplying the result obtained by 1.02 to be equivalent to serum levels of ALT. Slight levels of hemolysis will not significantly affect results since erythrocytes contain about 3x - 5x more ALT than serum. Serum should be separated from the red cells as soon as possible after collection.\par }

123042301-ALT (SGPT)	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	Male		17 - 63 U/L
	Female		14 - 54 U/L

SMITH(SM) ANTIBODY SCREEN----LAB2111

Collection Requirements

123042327-SMITH(SM) AB UNITS	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			0 - 999 AU/ML

SODIUM, BODY FLUID----LAB197

Collection Requirements

123042341-SODIUM,FLUID	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		50 - 200 meq/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

SODIUM-SERUM----LAB122

Collection Requirements

123042342-SODIUM-SERUM	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	30 Days	> 150 or < 120	132 - 144 meq/L
	150 Years	> 160 or < 120	132 - 144 meq/L

SODIUM-URINE----LAB2231

Collection Requirements

123042339-SODIUM,24HR URINE	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years		10 - 300 meq/24hr

SODIUM-WB PLASMA----LAB2112

Collection Requirements

123042344-SODIUM-WB PLASMA	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	150 Years	> 160 or < 120	135 - 150 mmol/L

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

SPECIFIC GRAVITY-URINE----LAB2401

Collection
Requirements

123042353-SPECIFIC GRAVITY-URINE

Sex/Age

Panic Range

Reference Range

1.001 - 1.035

SSA (RO) ANTIBODY SCREEN----LAB344

Collection
Requirements

123042378-SSA(RO) AB UNITS

Sex/Age

Panic Range

Reference Range

0 - 999 AU/ML

SSB (LA) ANTIBODY SCREEN----LAB345

Collection
Requirements

123042380-SSB(LA) AB UNITS

Sex/Age

Panic Range

Reference Range

0 - 999 AU/ML

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

STEROIDS, 17OH-CORTICO -UR----LAB351

Collection Requirements Preferred Specimen(s): 20 mL of a 24-hour urine
Minimum Volume: 10 mL
Collection Instructions: Collect with 10 grams boric acid or 25 mL 50% acetic acid or 25 mL 6N HCl during collection to maintain pH below 7.5. Submit in a plastic, leak-proof container, refrigerated 2-8° C. Collect urine with preservative, or keep urine refrigerated during collection if preservative is not used. Ship frozen if preservative is not used. Ship preserved urines refrigerated.

823042392-STEROIDS, 17OH-24HR URINE

Sex/Age

Panic Range

Reference Range

Male

3.0 - 10.0 MG/24HR

Female

2.0 - 8.0 MG/24HR

STROKE - THROMBIN TIME----LAB2765

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3ml.
Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.

123042454-THROMBIN TIME

Sex/Age

Panic Range

Reference Range

5.0 - 120.0 sec

STROKE CBC & PLATELET COUNT----LAB2766

Collection Requirements Collect blood into a dark purple, light purple or pediatric capillary purple top tube. Mix by inverting 10 times.

123041178-HEMATOCRIT-BLOOD

Sex/Age

Panic Range

Reference Range

Female, 8 Days

44.0 - 64.0 %

Male, 14 Years

31.0 - 43.0 %

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 999 Years	40.3 - 53.1 %
Female, 2 Years	30.0 - 40.0 %
Female, 31 Days	35.0 - 49.0 %
Female, 14 Years	31.0 - 43.0 %
Female, 999 Years	33.6 - 44.6 %
Male, 8 Days	44.0 - 64.0 %
Male, 31 Days	35.0 - 49.0 %
Male, 2 Years	30.0 - 40.0 %

123041192-HEMOGLOBIN-BLOOD

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 8 Days	> 24.1 or < 12.0	14.0 - 24.0 gm/dL
Female, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Female, 2 Years	> 24.1 or < 6.0	10.0 - 15.0 gm/dL
Female, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Female, 999 Years	> 20.0 or < 6.0	11.3 - 15.0 gm/dL
		No range specified
Male, 31 Days	> 24.1 or < 12.0	12.0 - 20.0 gm/dL
Male, 2 Years	> 24.0 or < 6.0	10.0 - 15.0 gm/dL
Male, 18 Years	> 24.1 or < 6.0	11.0 - 16.0 gm/dL
Male	> 20.0 or < 6.0	13.2 - 17.7 gm/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123042129-MCHC	Female, 8 Days	> 24.1 or < 12.0	12.0 - 24.1 gm/dL
	999 Years		31.5 - 35.0 gm/dL
123042131-MCV	2 Years		74 - 84 fL
	5 Years		73 - 85 fL
	10 Years		75 - 87 fL
	12 Years		76 - 90 fL
	999 Years		81 - 100.2 fL
	8 Days		91 - 123 fL
	123041901-PLATELET COUNT-BLOOD	1 Years	> 900 or < 30
18 Years		> 900 or < 30	148 - 362 K/mcL
		> 900 or < 50	148 - 362 K/mcL
123041903-PLATELET MPV	999 Years		No range specified
123042123-RBC COUNT-BLOOD	Male, 8 Days		4.80 - 7.10 M/mcL
	Male, 31 Days		4.10 - 6.40 M/mcL
	Male, 14 Years		3.80 - 5.50 M/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male, 999 Years	4.31 - 5.88 M/mcL
Female, 8 Days	4.80 - 7.10 M/mcL
Female, 31 Days	4.10 - 6.40 M/mcL
Female, 14 Years	3.80 - 5.50 M/mcL
Female, 999 Years	3.73 - 4.96 M/mcL

123042134-RDW

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male		11.5 - 15.4 %
Female		11.5 - 16.1 %

123042650-WBC COUNT-BLOOD

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days	> 50.0 or < 1.0	9.0 - 30.0 K/mcL
6 Years	> 50.0 or < 1.0	5.0 - 14.5 K/mcL
12 Years	> 50.0 or < 1.0	4.5 - 13.5 K/mcL
16 Years	> 50.0 or < 1.0	4.5 - 13.0 K/mcL
18 Years	> 50.0 or < 1.0	4.5 - 12.5 K/mcL
2 Days	> 50.0 or < 1.0	9.4 - 34.0 K/mcL
	> 85.0 or < 1.0	3.8 - 10.7 K/mcL
8 Days	> 50.0 or < 1.0	1.0 - 50.0 K/mcL
15 Days	> 50.0 or < 1.0	5.0 - 20.0 K/mcL
1 Months	> 50.0 or < 1.0	5.0 - 19.5 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

2 Months	> 50.0 or < 1.0	5.5 - 18.0 K/mcL
12 Months	> 50.0 or < 1.0	6.0 - 17.5 K/mcL
2 Years	> 50.0 or < 1.0	6.0 - 17.0 K/mcL
4 Years	> 50.0 or < 1.0	5.5 - 15.5 K/mcL

STROKE: APTT----LAB2345

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3mL. Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.

123042758-APTT	Sex/Age	Panic Range	Reference Range
	18 Years	> 90.0	16.0 - 250.0 sec
		> 120.0	25.1 - 36.5 sec

STROKE: PT (WITH INR)----LAB2350

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3mL. Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.

123041365-INR	Sex/Age	Panic Range	Reference Range
		> 5.0	5.0

123042067-PROTHROMBIN TIME	Sex/Age	Panic Range	Reference Range
	18 Years	> 27.5	9.4 - 12.5 sec
		> 59.0	9.4 - 12.5 sec

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

SYNOVIAL FLUID CELL COUNT, DIFF, CRYSTAL EXAM----LAB2388

Collection Requirements One milliliter is the minimum recommended volume of synovial fluid for cell count, differential and crystal exam. However, these tests will be done on any amount submitted if at all possible
 Submit synovial fluid in lavender top tube to prevent clotting. If a clot is present the cell count will be reported with an estimate of the size of the clot. The differential and crystal exam will be reported also.

123041572-% NEUTROPHILS/BANDS-SYNOVIAL FLUID	Sex/Age	Panic Range	Reference Range
			No range specified
123041571-WBC COUNT-SYNOVIAL FLUID	Sex/Age	Panic Range	Reference Range
			No range specified

TEG GLOBAL HEMOSTASIS----LAB50197

Collection Requirements Pref. Specimen: Light Blue Top - Sodium Citrate
 Specimen must incubate 10 minutes at Room Temperature before testing.
 Specimen should not be tested following more than 2 hours post-collection.

123042811-CITRATED FUNCTIONAL FIBRINOGEN	Sex/Age	Panic Range	Reference Range
			15 - 32 mm
123042808-CITRATED KAOLIN ANGLE - UNIT (deg)	Sex/Age	Panic Range	Reference Range
			63 - 78 deg
123042816-CITRATED KAOLIN HEPARINASE	Sex/Age	Panic Range	Reference Range
			4.3 - 8.3 min
123042810-CITRATED KAOLIN HEPARINASE II	Sex/Age	Panic Range	Reference Range
			258.0 - 498.0 sec

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123042814-CITRATED KAOLIN K-TIME			.8 - 2.1 min
123042807-CITRATED KAOLIN K-TIME IN SEC			48.0 - 126.0 sec
123042809-CITRATED KAOLIN MAXIMUM AMP			52 - 69 mm
123042815-CITRATED KAOLIN R-TIME			4.6 - 9.1 min
123042806-CITRATED KAOLIN R-TIME IN SEC			276.0 - 546.0 sec
123042813-CITRATED RAPID TEG MAXIMUM A			52 - 70 mm
123042812-ESTIMATED FUNTIONAL FIBRINOC			278 - 581 mg/ dl

Collection Requirements or colder.\par C. Use the following guidelines when preparing specimens, unless instructed otherwise in the product insert:\par 1. Ensure residual fibrin and cellular matter has been removed prior to analysis.\par 2. Follow blood collection tube manufacturer's recommendations for centrifugation.\par D. Each laboratory should determine the acceptability of its own blood collection tubes and serum separation products. Variations in these products may exist between manufacturers and, at times, from lot-to-lot.\par E. Samples may be thawed and frozen up to two times.\par }

Test/Component	Sex/Age	Panic Range	Reference Range
123042440-TESTOSTERONE (NG/DL)	Female		10.0 - 75.0 ng/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Male

175.0 - 781.0 ng/dL

THEOPHYLLINE-SERUM----LAB35

Collection Requirements Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants heparin, citrate, oxalate, and EDTA have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples. Sample volume is instrument-dependent. Refer to the appropriate Analyzer-Specific Protocol for specific volumes. Store the serum or plasma refrigerated at 2-8°C. For transporting, maintain the sample temperature at 2-8°C. Samples can be stored refrigerated at 2-8°C for up to one month or stored frozen for up to three months. Pharmacokinetic factors influence the correct time of sample collection after the last drug dose. These factors include dosage form, mode of administration

123042447-THEOPHYLLINE

Sex/Age

Panic Range

Reference Range

150 Years

> 25.0

10.0 - 20.0 mcg/mL

Collection Requirements Collect blood in a blue top tube (0.105 M (3.2%) buffered sodium citrate with a 9:1 ratio of whole blood to anticoagulant). Send to lab immediately post collection. This test has a minimum plasma requirement of 0.3ml. Special plastic tubes containing 0.1 ml citrate solution and requiring only 0.9 ml whole blood will be prepared for the newborn nurseries on request. Two tubes per patient are preferred.

123042454-THROMBIN TIME

Sex/Age

Panic Range

Reference Range

5.0 - 120.0 sec

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Serum and plasma (heparin) are the recommended samples. Observe the following recommendations for handling, processing, and storing blood samples. Collect all blood samples observing routine precautions for venipuncture. Allow serum samples to clot completely before centrifugation. Keep tubes stoppered at all times. Within two hours after centrifugation, transfer at least 500 μ L of cell-free sample to a storage tube. Tightly stopper the tube immediately. Store samples tightly stoppered at room temperature (15 to 30 $^{\circ}$ C) for no longer than eight hours. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8 $^{\circ}$ C. If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20 $^{\circ}$ C or colder. Thaw sa

123041038-FREE THYROXINE(FT4)

Sex/Age

Panic Range

Reference Range

150 Years

.58 - 1.64 ng/dL

THYROXINE, TOTAL-SERUM----LAB126

Collection Requirements les at 2 to 8 $^{\circ}$ C. If the assay will not be completed within 24 hours, or for shipment of samples, freeze at -20 $^{\circ}$ C or colder. Thaw samples only once. Use the following guidelines when preparing specimens, unless instructed otherwise in the product insert. Ensure residual fibrin and cellular matter has been removed prior to analysis. Follow blood collection tube manufacturer's recommendations for centrifugation. Each laboratory should determine the acceptability of its own blood collection tubes and serum separation products. Variations in these products may exist between manufacturers and, at times, from lot-to-lot.

323-T UPTAKE-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

32 - 48 %

123042429-T4,CORRECTED(CALCULATED)

Sex/Age

Panic Range

Reference Range

150 Years

6.1 - 12.2 mcg/dL

123042463-THYROXINE,TOTAL(T4)

Sex/Age

Panic Range

Reference Range

150 Years

6.1 - 12.2 mcg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

TOBRAMYCIN-SERUM,PEAK----LAB2903

Collection Requirements Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.

482-TOBRAMYCIN PEAK

Sex/Age

Panic Range

Reference Range

18 Years

> 12.0

.6 - 50.0 mcg/mL

150 Years

> 12.0

.6 - 50.0 mcg/mL

TOBRAMYCIN-SERUM,RANDOM----LAB2902

Collection Requirements Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.

481-TOBRAMYCIN RANDOM

Sex/Age

Panic Range

Reference Range

18 Years

> 12.0

.6 - 50.0 mcg/mL

150 Years

> 25.0

.6 - 50.0 mcg/mL

TOBRAMYCIN-SERUM,TROUGH----LAB2904

Collection Requirements Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.

483-TOBRAMYCIN TROUGH

Sex/Age

Panic Range

Reference Range

18 Years

> 2.0

.6 - 50.0 mcg/mL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

150 Years

> 2.5

.6 - 50.0 mcg/mL

TOTAL PROTEIN HIGH SENSITIVITY BODY FLUID----LAB50167

Collection Requirements

1230142063-TOTAL PROTEIN HIGH SENSITIVI

Sex/Age

Panic Range

Reference Range

4 - 3000 mg/dL

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting serum specimen, free from hemolysis, is the recommended specimen.\par }

123042497-TRANSFERRIN

Sex/Age

Panic Range

Reference Range

150 Years

203 - 362 mg/dL

TREPONEMAL IGG, EIA-SERUM----LAB2120

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 The specimen (blood) should be collected under sterile conditions. Only serum may be used. Prompt separation of the serum from the clot is necessary to avoid hemolysis. Only clear, non-hemolyzed specimens should be used. Specimens containing any particulate matter should be centrifuged before testing. Hyperlipemic specimens should be clarified. Serum treated at 56C for 30 minutes may also be used.\par }

123042499-TREPONEMAL IGG INDEX-1

Sex/Age

Panic Range

Reference Range

150 Years

.900

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

TREPONEMAL IGG-CSF----LAB2237

Collection Requirements

123042505-TREPONEMAL IGG,UNDIL-1

Sex/Age

Panic Range

Reference Range

150 Years

.900

TRIGLYCERIDES, BODY FLUIDS----LAB200

Collection Requirements

123042515-TRIGLYCERIDE-FLUID

Sex/Age

Panic Range

Reference Range

150 Years

10 - 5000 mg/dL

TRIGLYCERIDE-SERUM----LAB134

Collection Requirements {rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Fasting (12 hours) serum samples, free from hemolysis and removed from the clot are the recommended specimens. EDTA and heparin are the suggested anticoagulants if plasma must be used. Ensure that all equipment used in the collection and storage of samples is free from glycerol contamination.\par }

123042516-TRIGLYCERIDE-SERUM

Sex/Age

Panic Range

Reference Range

Male, 30 Years

50 - 171 mg/dL

Female, 150 Years

66 - 221 mg/dL

Female, 30 Years

42 - 137 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

		10 - 5000 mg/dL
	Male, 40 Years	57 - 250 mg/dL
	Female, 40 Years	45 - 170 mg/dL
	Male, 50 Years	69 - 218 mg/dL
	Female, 50 Years	51 - 180 mg/dL
	Male, 60 Years	75 - 210 mg/dL
	Female, 60 Years	59 - 229 mg/dL
	Male, 150 Years	65 - 227 mg/dL

Collection Requirements Serum and plasma (heparin) are the recommended samples. Observe the following recommendations for handling, processing, and storing blood samples: 1. Collect all blood samples observing routine precautions for venipuncture. 2. Allow serum samples to clot completely before centrifugation. 3. Keep tubes stoppered at all times. 4. Within two hours after centrifugation, transfer at least 500 L of cell-free sample to a storage tube. 5. Tightly stopper the tube immediately. 6. Store samples tightly stoppered at room temperature (15 to 30°C) for no longer than eight hours. 7. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8°C. 8. If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20°C or colder. Thaw samples o

123042517-TRIIODOTHYRONINE(T3)-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

87.0 - 178.0 ng/dL

Collection Requirements

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042530-TROPONIN-I

Sex/Age

Panic Range

Reference Range

150 Years

> .20

.04 ng/mL

Collection Requirements Serum and plasma (heparin) are the recommended samples. Observe the following recommendations for handling, processing, and storing blood samples:

1. Collect all blood samples observing routine precautions for venipuncture.

2. Allow serum samples to clot completely before centrifugation.

3. Keep tubes stoppered at all times.

4. Within two hours after centrifugation, transfer at least 500 L of cell-free sample to a storage tube. Tightly stopper the tube immediately.

5. Store samples tightly stoppered at room temperature (15 to 30°C) for no longer than eight hours.

6. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8°C.

7. If the assay will not be completed within 48 hours, or for shipment of samples, freeze at -20°C or colder.

8. Thaw sample

123042537-TSH-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

.340 - 5.600 mIU/L

UREA NITROGEN- 24 HOUR URINE----LAB5086

Collection Requirements

1230120258-UREA NITROGEN, 24 HOUR

Sex/Age

Panic Range

Reference Range

12 - 20 G/24 HRS

123042578-UREA NITROGEN, URINE

Sex/Age

Panic Range

Reference Range

999 Years

20 - 3250 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

UREA NITROGEN-FLUID----LAB2240

Collection
Requirements

123042577-UREA NITROGEN,FLUID

Sex/Age

Panic Range

Reference Range

150 Years

1 - 1200 mg/dL

UREA NITROGEN-SERUM----LAB140

Collection
Requirements

123042579-UREA NITROGEN-SERUM

Sex/Age

Panic Range

Reference Range

150 Years

> 150

8 - 22 mg/dL

UREA NITROGEN-URINE----LAB748

Collection
Requirements

123042578-UREA NITROGEN,URINE

Sex/Age

Panic Range

Reference Range

999 Years

20 - 3250 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

URIC ACID, RASBURICASE----LAB540

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 *Before collection, Chill tube in Ice Bath, Run w/ in 4 Hrs **\par Serum samples or heparinized plasma, free from hemolysis are the recommended specimens.\par }

123042582-URIC ACID-SERUM

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 18 Years	> 10.0	10.0 mg/dL
Female, 18 Years	> 10.0	1.7 - 6.2 mg/dL
Male, 150 Years	> 15.0	3.4 - 7.0 mg/dL
Female, 150 Years	> 15.0	2.4 - 5.7 mg/dL

Collection Requirements {\rtf1\ansi\deflang1033\ftnbj{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Serum samples or heparinized plasma, free from hemolysis are the recommended specimens. Timed, 24 hour urine specimens are recommended.\par }

123042582-URIC ACID-SERUM

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
Male, 18 Years	> 10.0	1.7 - 6.2 mg/dL
Female, 18 Years	> 10.0	1.7 - 6.2 mg/dL
Male, 150 Years	> 15.0	3.4 - 7.0 mg/dL
Female, 150 Years	> 15.0	2.4 - 5.7 mg/dL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

URIC ACID-SYNOVIAL FLUID----LAB2241

Collection
Requirements

123042583-URIC ACID-SYNOVIAL FLUID

Sex/Age

Panic Range

Reference Range

150 Years

1.5 - 30.0 mg/dL

URIC ACID-URINE----LAB2242

Collection
Requirements

123042581-URIC ACID,URINE

Sex/Age

Panic Range

Reference Range

999 Years

1 - 100 mg/dL

Collection Requirements `{\rtf1\ansi\deflang1033\ftnjb{\fonttbl{\f0 \fmodern \fcharset0 Arial;}}\plain\f0\fs20 Mid-stream clean catch preferred to minimize contaminants\par }`

1551416-SPECIFIC GRAVITY UA

Sex/Age

Panic Range

Reference Range

1.005 - 1.030

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Mid-stream clean catch preferred to minimize contaminants

1551416-SPECIFIC GRAVITY UA

Sex/Age

Panic Range

Reference Range

1.005 - 1.030

Collection Requirements Pediatric urine collectors should be used for infants. Special care should be taken to clean the perianal area before voiding. A urine specimen may be transferred to a yellow top urinalysis collection tube for submission also. 10mL of urine is the optimal amount.

123041844-PH, QUANT-URINE

Sex/Age

Panic Range

Reference Range

5 - 8

123042353-SPECIFIC GRAVITY-URINE

Sex/Age

Panic Range

Reference Range

1.001 - 1.035

Collection Requirements Pediatric urine collectors should be used for infants. Special care should be taken to clean the perianal area before voiding. A urine specimen may be transferred to a yellow top urinalysis collection tube for submission also. 10mL of urine is the optimal amount.

123041844-PH, QUANT-URINE

Sex/Age

Panic Range

Reference Range

5 - 8

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042353-SPECIFIC GRAVITY-URINE

Sex/Age

Panic Range

Reference Range

1.001 - 1.035

URINALYSIS-PRENATAL----LAB2128

Collection Requirements pediatric urine collectors should be used for infants. Special care should be taken to clean the perianal area before voiding.\par \par A urine specimen may be transferred to a yellow top urinalysis collection tube for submission also. 10mL of urine is the optimal amount.\par }

123041844-PH, QUANT-URINE

Sex/Age

Panic Range

Reference Range

5 - 8

123042353-SPECIFIC GRAVITY-URINE

Sex/Age

Panic Range

Reference Range

1.001 - 1.035

Collection Requirements Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants heparin, citrate, oxalate/fluoride, and EDTA have been tested and may be used with this assay.\par - Sample volume is instrument-dependent. Refer to the analyzer User's Guide or appropriate Analyzer-Specific Protocol.\par - To obtain a serum valproic acid concentration that best represents the peak tissue level, draw the sample 1 to 3 hours after an oral dose is given. Collect a trough sample just before the next scheduled dose.\par - Serum or plasma samples may be refrigerated at 2-8\B0C. For transporting, maintain the sample temperature at 2-8\B0C. Samples may be frozen (-20\B0C) for 1 year.\par - Pharmacokinetic factors influence the correct time of sample collection after the last drug dose. These factors include dosage form, mode of administration, and biological variations affecting drug disposition.\par }

123042596-VALPROIC ACID

Sex/Age

Panic Range

Reference Range

150 Years

> 150.0

10.0 - 750.0 mcg/ml

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

VANCOMYCIN-SERUM,PEAK----LAB2906

Collection Requirements Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, sodium heparin, lithium heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.

485-VANCOMYCIN PEAK	Sex/Age	Panic Range	Reference Range
	31 Days	> 30.0	30.0 mcg/mL
	18 Years	> 30.0	2.0 - 450.0 mcg/mL
	150 Years	> 60.0	2.0 - 450.0 mcg/mL

VANCOMYCIN-SERUM,RANDOM----LAB2905

Collection Requirements Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, sodium heparin, lithium heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.

484-VANCOMYCIN RANDOM	Sex/Age	Panic Range	Reference Range
	18 Years	> 60.0	2.0 - 450.0 mcg/mL
	150 Years	> 60.0	2.0 - 450.0 mcg/mL

VANCOMYCIN-SERUM,TROUGH----LAB2907

Collection Requirements Each assay requires serum or plasma. Whole blood cannot be used. The anticoagulants EDTA, sodium heparin, lithium heparin, citrate, and oxalate/fluoride have been tested and may be used with this assay. Some sample dilution may occur when samples are collected in tubes containing citrate anticoagulant. The amount of dilution and the possible need to correct for it should be considered when interpreting assay results for these samples.

486-VANCOMYCIN TROUGH	Sex/Age	Panic Range	Reference Range
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Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

31 Days	> 15.0	2.0 - 450.0 mcg/mL
18 Years	> 20.0	2.0 - 450.0 mcg/mL
150 Years	> 30.0	2.0 - 450.0 mcg/mL

Collection Requirements The specimen (blood) should be collected under sterile conditions without additives; prompt separation of the clot from the serum is necessary to avoid hemolysis. Serum should be stored at 2-8C if it is to be analyzed within 72 hours; serum not analyzed within 72 hours should be frozen. Do not use a frost-free freezer because it may allow the specimens to go through freeze-thaw cycles and degrade antibody. Samples subjected to freeze-thaw cycles may yield spurious results. Specimens showing particulate matter, erythrocytes, or turbidity must be clarified by centrifugation before testing. Plasma and CSF should not be used. The assay has not been standardized for their use. Heat treated serum, lipemic serum, grossly hemolyzed serum, or serum with obvious microbial contamination should not be used as this may cause either false positive or false negative results. A minimum of 50 ml of s

123042592-V.ZOSTER IGG INDEX-1

Sex/Age

Panic Range

Reference Range

999 Years

.9

VISCOSITY-SERUM---LAB765

Collection Requirements ***Do Not Order***
 has been Discontinued
 Collect in gold top tube.

123042619-VISCOSITY,SERUM

Sex/Age

Panic Range

Reference Range

1.4 - 2.0 Flow Rate

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Collection Requirements Serum and plasma (heparin) are the recommended samples. Observe the following recommendations for handling, processing, and storing blood sample: 1. Collect all blood samples observing routine precautions for venipuncture. 2. Allow serum samples to clot completely before centrifugation. 3. Keep tubes stoppered at all times. 4. Within two hours after centrifugation, transfer at least 500 µL of cell-free sample to a storage tube. 5. Store samples tightly stoppered at room temperature (15 to 30°C) for no longer than eight hours. 6. If the assay will not be completed within eight hours, refrigerate the samples at 2 to 8°C. 7. If the assay will not be completed within 24 hours, or for shipment of samples, freeze at -20°C or colder. 8. Thaw sam

123042622-VITAMIN B12-SERUM	Sex/Age	Panic Range	Reference Range
	150 Years		180.0 - 914.0 pg/mL

Collection Requirements

123041152-VITAMIN D, 25- HYDROXY, TOTAL	Sex/Age	Panic Range	Reference Range
			20 - 120 ng/mL

WBC DIFF, ADD ON TO CBC----LAB2823

Collection Requirements Used on to add on diff to a CBC.

123042907-# BASOPHILS- MAN	Sex/Age	Panic Range	Reference Range
	1 Days		.7 K/mcL
	18 Years		.3 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123049242-# BLASTS- MAN	8 Days		.4 K/mcL
	999 Years		.0 - .2 K/mcL
123049229-# EOSINOPHILS- AUTO	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
			No range specified
	1 Days		1.0 K/mcL
	12 Months		No range specified
	6 Years		.8 K/mcL
	2 Days		.1 - 1.0 K/mcL
	12 Years		.7 K/mcL
	999 Years		.0 - .5 K/mcL
	2 Months		.1 - .9 K/mcL
	18 Years		.6 K/mcL
123048207-# EOSINOPHILS- MAN	8 Days		.1 - 1.1 K/mcL
	15 Days		.1 - 1.0 K/mcL
	6 Months		.1 - .8 K/mcL
	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
	1 Days		1.0 K/mcL
	12 Months		.1 - .7 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

6 Years	.8 K/mcL
2 Days	.1 - 1.0 K/mcL
12 Years	.7 K/mcL
2 Months	.1 - .9 K/mcL
18 Years	.6 K/mcL
999 Years	.0 - .5 K/mcL
8 Days	.1 - 1.1 K/mcL
15 Days	.1 - 1.0 K/mcL
6 Months	.1 - .8 K/mcL

123049236-# LYMPHOCYTES- AUTO

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days		2.0 - 11.0 K/mcL
1 Years		4.0 - 10.5 K/mcL
2 Years		3.0 - 9.5 K/mcL
4 Years		2.0 - 8.0 K/mcL
6 Years		1.5 - 7.0 K/mcL
8 Years		1.5 - 6.8 K/mcL
10 Years		1.5 - 3.5 K/mcL
12 Years		1.2 - 6.0 K/mcL
6 Months		4.0 - 13.5 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	10 Months		4.0 - 11.5 K/mcL
	14 Years		1.2 - 5.8 K/mcL
	2 Days		2.0 - 11.5 K/mcL
	16 Years		1.2 - 5.2 K/mcL
	18 Years		1.0 - 5.0 K/mcL
	999 Years		.9 - 3.2 K/mcL
	8 Days		2.0 - 17.0 K/mcL
	1 Months		2.5 - 16.5 K/mcL
	2 Months		3.0 - 16.0 K/mcL
	4 Months		3.5 - 14.5 K/mcL
	8 Months		4.5 - 12.5 K/mcL
123042903-# LYMPHOCYTES- MAN	Sex/Age	Panic Range	Reference Range
	1 Days		2.0 - 11.0 K/mcL
	2 Years		3.0 - 9.5 K/mcL
	4 Years		4.5 - 8.0 K/mcL
	6 Years		1.5 - 7.0 K/mcL
	8 Years		1.5 - 6.8 K/mcL
	10 Years		1.5 - 3.5 K/mcL
	12 Years		1.2 - 6.0 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

14 Years	1.2 - 5.8 K/mcL
8 Months	4.5 - 12.5 K/mcL
12 Months	4.0 - 10.5 K/mcL
16 Years	1.2 - 5.2 K/mcL
2 Days	2.0 - 11.5 K/mcL
18 Years	1.0 - 5.0 K/mcL
999 Years	.9 - 3.2 K/mcL
8 Days	2.0 - 17.0 K/mcL
1 Months	2.5 - 16.5 K/mcL
2 Months	3.0 - 16.0 K/mcL
4 Months	3.5 - 14.5 K/mcL
6 Months	4.0 - 13.5 K/mcL
10 Months	4.5 - 11.5 K/mcL

123049240-# METAMYELOCYTES- MAN

Sex/Age

Panic Range

Reference Range

18 Years	No range specified
999 Years	No range specified

123049227-# MONOCYTES- AUTO

Sex/Age

Panic Range

Reference Range

1 Days	.4 - 3.1 K/mcL
2 Years	.1 - 1.0 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

18 Years	.9 K/mcL
8 Months	.1 - 1.2 K/mcL
12 Months	.1 - 1.1 K/mcL
2 Days	.2 - 3.1 K/mcL
999 Years	.2 - .8 K/mcL
6 Months	.1 - 1.3 K/mcL
8 Days	.3 - 2.7 K/mcL
15 Days	.2 - 2.4 K/mcL
29 Days	.2 - 2.0 K/mcL
2 Months	.1 - 1.8 K/mcL
4 Months	.1 - 1.5 K/mcL
10 Months	.1 - 1.2 K/mcL

123042906-# MONOCYTES- MAN

<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
1 Days		.4 - 3.1 K/mcL
2 Years		.1 - 1.0 K/mcL
18 Years		.9 K/mcL
8 Months		.1 - 1.2 K/mcL
12 Months		.1 - 1.1 K/mcL
2 Days		.2 - 3.1 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

	999 Years		.2 - .8 K/mcL
	6 Months		.1 - 1.3 K/mcL
	8 Days		.3 - 2.7 K/mcL
	15 Days		.2 - 2.4 K/mcL
	29 Days		.2 - 2.0 K/mcL
	2 Months		.1 - 1.8 K/mcL
	4 Months		.1 - 1.5 K/mcL
	10 Months		.1 - 1.2 K/mcL
123049234-# NEUTROPHILS- AUTO	Sex/Age	Panic Range	Reference Range
	8 Years		1.5 - 8.0 K/mcL
	16 Years		1.8 - 8.0 K/mcL
	18 Years		1.8 - 7.7 K/mcL
	999 Years		1.7 - 7.4 K/mcL
	2 Days		5.0 - 21.0 K/mcL
	8 Days		1.5 - 10.0 K/mcL
	15 Days		1.0 - 9.5 K/mcL
	4 Months		1.0 - 9.0 K/mcL
	10 Months		1.0 - 8.5 K/mcL
	4 Years		1.5 - 8.5 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

123042901-# NEUTROPHILS- MAN

Sex/Age

Panic Range

Reference Range

2 Days

5 - 21 K/mcL

8 Days

1.5 - 10 K/mcL

15 Days

1 - 9.5 K/mcL

4 Months

1 - 9 K/mcL

10 Months

1 - 8.5 K/mcL

4 Years

1.5 - 8.5 K/mcL

8 Years

1.5 - 8 K/mcL

16 Years

1.8 - 8 K/mcL

18 Years

1.8 - 7.7 K/mcL

999 Years

1.7 - 7.4 K/mcL

123049244-# PLASMA CELLS - MAN

Sex/Age

Panic Range

Reference Range

No range specified

123049241-# PROMYELOCYTES- MAN

Sex/Age

Panic Range

Reference Range

18 Years

No range specified

999 Years

No range specified

123049221-# UNIDENTIFIED CELLS- MAN

Sex/Age

Panic Range

Reference Range

No range specified

123049217-# VARIANT LYMPHOCYTES- MAN

Sex/Age

Panic Range

Reference Range

No range specified

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

<u>Test/Component</u>	<u>Sex/Age</u>	<u>Panic Range</u>	<u>Reference Range</u>
123049230-% BASOPHILS- AUTO			No range specified
123049208-% BASOPHILS- MAN			No range specified
123049228-% EOSINOPHILS- AUTO			No range specified
123049206-% EOSINOPHILS- MAN	999 Years		No range specified
123042902-% LYMPHOCYTE- MAN			No range specified
123049224-% LYMPHOCYTES- AUTO	999 Years		No range specified
123049210-% METAMYELOCYTE- MAN	18 Years 999 Years		No range specified No range specified
123049226-% MONOCYTES- AUTO			No range specified
123042904-% MONOCYTES- MAN			No range specified
123049212-% MYELOCYTE - MAN			No range specified

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

Test/Component	Sex/Age	Panic Range	Reference Range
123949222-% NEUTROPHILS- AUTO	18 Years		No range specified
	999 Years		No range specified
123042900-% NEUTROPHILS-MAN	999 Years		No range specified
	123042908-% PROMYELOCYTE- MAN		No range specified
123049233-NRBC-AUTO	18 Years		No range specified
	999 Years		No range specified
1230492156-NRBC-MAN	4 Days		No range specified
	999 Years		No range specified
123042650-WBC COUNT-BLOOD	1 Days	> 50.0 or < 1.0	9.0 - 30.0 K/mcL
	6 Years	> 50.0 or < 1.0	5.0 - 14.5 K/mcL
	12 Years	> 50.0 or < 1.0	4.5 - 13.5 K/mcL

Result Component Reference Ranges

Grouped by Component, then Checking Type



Test/Component

16 Years	> 50.0 or < 1.0	4.5 - 13.0 K/mcL
18 Years	> 50.0 or < 1.0	4.5 - 12.5 K/mcL
2 Days	> 50.0 or < 1.0	9.4 - 34.0 K/mcL
	> 85.0 or < 1.0	3.8 - 10.7 K/mcL
8 Days	> 50.0 or < 1.0	5.0 - 21.0 K/mcL
15 Days	> 50.0 or < 1.0	5.0 - 20.0 K/mcL
1 Months	> 50.0 or < 1.0	5.0 - 19.5 K/mcL
2 Months	> 50.0 or < 1.0	5.5 - 18.0 K/mcL
12 Months	> 50.0 or < 1.0	6.0 - 17.5 K/mcL
2 Years	> 50.0 or < 1.0	6.0 - 17.0 K/mcL
4 Years	> 50.0 or < 1.0	5.5 - 15.5 K/mcL