

Assay Description	Age From	Age To	Sex	Specimen Type	Critical Low	Critical High	Units of Measure
Acetaminophen	0 Minutes	150 Years	All	All		150.1	ug/mL
Activated Partial Thromboplastin Time	0 Minutes	150 Years	All	All		70	sec
Alcohol, Serum	0 Minutes	150 Years	All	All		301	mg/dL
Ammonia	0 Minutes	150 Years	All	All		51	umol/L
Amylase	0 Minutes	150 Years	All	All		201	U/L
BNP	0 Minutes	150 Years	All	All		751	pg/mL
BUN <sup>*2</sup>	0 Minutes	150 Years	All	All		81	mg/dL
Calcium	0 Minutes	150 Years	All	All	6.9	12.6	mg/dL
Carboxyhemoglobin	0 Minutes	150 Years	All	All		20.1	%
Chloride	0 Minutes	150 Years	All	All	79	121	mmol/L
Creatinine <sup>*2</sup>	0 Minutes	150 Years	All	All		5.1	mg/dL
Creatinine, POCT	0 Minutes	150 Years	All	All		5.01	mg/dL
CSF Glucose	0 Minutes	150 Years	All	All	36		mg/dL
Digoxin	0 Minutes	150 Years	All	All		2.01	ng/mL
Fibrogen	0 Minutes	150 Years	All	All	100		mg/dL
Fingerstick Glucose	0 Minutes	150 Years	All	All	39	501	mg/dL
Free T4	0 Minutes	150 Years	All	All		5.01	ng/dL
Glucose	0 Minutes	150 Years	All	All	49	401	mg/dL
Hematocrit <sup>*2</sup>	0 Minutes	11 Years	All	All	18		%
Hematocrit <sup>*2</sup>	12 Years	150 Years	All	All	18	60	%
Hematocrit, POCT <sup>*3</sup>	0 Minutes	150 Years	All	All	17	61	%
Hemoglobin <sup>*2</sup>	0 Minutes	2 Weeks	All	All	10.0	21.0	g/dL
Hemoglobin <sup>*2</sup>	2 Weeks	1 Months	All	All	8.0	21.0	g/dL
Hemoglobin <sup>*2</sup>	1 Months	12 Years	All	All	9.0	21.0	g/dL
Hemoglobin <sup>*2</sup>	12 Years	150 Years	All	All	6.0	21.0	g/dL
Hemoglobin, POCT <sup>*3</sup>	0 Minutes	150 Years	All	All	5.9	20.1	g/dL
High Sensitivity Troponin I <sup>*1</sup>	0 Minutes	150 Years	All	All		115	ng/L
Ionized Calcium, POCT	0 Minutes	150 Years	All	All	0.80	1.59	mmol/L
Lactic Acid	0 Minutes	150 Years	All	All		4.01	mmol/L
Lithium	0 Minutes	150 Years	All	All		1.6	mmol/L
Magnesium	0 Minutes	150 Years	All	All	0.9	5.1	mg/dL
Nucleated RBC	0 Minutes	150 Years	All	All		10.1	Per 100 WBC's

Legend:

\*1 Delta changes of >15 is considered Critical.

\*2 Critical Results are communicated only once per encounter unless clinically significant.

\*3 Includes both measured and calculated

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PCO2, POCT	0 Minutes	150 Years	All	All	19	71	mmHg
pH, POCT	0 Minutes	150 Years	All	All	7.209	7.601	(none)
Phenytoin (Dilantin)	0 Minutes	150 Years	All	All		25.1	ug/mL
Phosphorus	0 Minutes	150 Years	All	All	1.0		mg/dL
Platelet *2	0 Minutes	150 Years	All	All	50	1000	x10(3)/uL
pO2, POCT	0 Minutes	150 Years	All	Arterial	49		mmHg
Potassium	0 Minutes	150 Years	All	All	2.8	6.1	mmol/L
Protine	0 Minutes	150 Years	All	All		40.0	sec
Salicylate	0 Minutes	150 Years	All	All		30.1	mg/dL
Sensitive TSH	0 Minutes	150 Years	All	All		20.001	uIU/mL
Sodium	0 Minutes	150 Years	All	All	119	156	mmol/L
Total bilirubin	0 Minutes	150 Years	All	All		15.01	mg/dL
Total CO2, POCT *3	0 Minutes	150 Years	All	All	10	41	mmol/L
Transferrin Percent Saturation	0 Minutes	150 Years	All	All		71	%
Triglycerides	0 Minutes	150 Years	All	All		1001	mg/dL
Valproic Acid	0 Minutes	150 Years	All	All		130.1	ug/mL
Venous CO2	0 Minutes	150 Years	All	All	10	40	mmol/L
WBC corrected for NRBC	0 Minutes	150 Years	All	All	1.00	30.00	x10(3)/uL
White blood cells *2	0 Minutes	150 Years	All	All	1.00	30.00	x10(3)/uL

Assay Description	Age From	Age To	Sex	Critical Result
Bordetella pertussis PCR	0 Minutes	150 Years	All	Detected
Clostridium difficile - PCR (Stool)	0 Minutes	150 Years	All	Detected
Meningitis PCR	0 Minutes	150 Years	All	Detected
Hepatitis B Surface Antigen	0 Minutes	150 Years	All	Reactive
Hepatitis C Antibody	0 Minutes	150 Years	All	Equivocal or Reactive
HIV Interperation	0 Minutes	150 Years	All	Reactive
Urine Ketones - Downtown	0 Minutes	5 Days	All	Any result above 10 mg/dL
Urine Ketones - Dakota Dunes	0 Minutes	5 Days	All	Any result above Trace
Blood Culture Gram Stain	0 Minutes	150 Years	All	Any organism(s) found in Gram Stain
CSF Gram Stains	0 Minutes	150 Years	All	Any organism(s) found in Gram Stain
RBC Casts	0 Minutes	150 Years	All	Any result other than Absent
WBC Casts	0 Minutes	150 Years	All	Any result other than Absent
Cystine Crystals	0 Minutes	150 Years	All	Any result other than Absent

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The following scenarios will be communicated with the Referring Healthcare Provider

#### Blood Bank

- 1 A transfusion work-up indicates hemolytic transfusion or potential for immune hemolytic transfusion reaction.
- 2 An antibody screen is positive (or there is history of a previous antibody [-ies]) and blood usage is urgent.
- 3 Compatible units cannot be found or there would be a significant delay in providing product and blood usage is urgent.
- 4 An ABO discrepancy is found by medical record comparisons and blood usage is urgent.

#### Pathology/Cytology

Significant and unexpected findings will be communicated by responsible pathologist to providers via telephone and documented in the report and include:

A list of possible significant and unexpected final critical diagnosis are as follows:

- 1 Malignancy in an uncommon location or specimen type (eg. hernia sac, intervertebral disc material, etc.)
- 2 Absence of chorionic villi when clinically expected
- 3 Clinically significant change of a frozen section diagnosis after review of permanent sections
- 4 Amendments to a report that include a significant change in diagnosis
- 5 Any conditions that may require urgent/emergent medical intervention
- 6 Absence of lumen in a specimen in which a lumen is essential for surgical success
- 7 Change in the reported diagnoses of outside cases sent in for consultation/confirmation
- 8 Pathologic findings that are significantly discordant with the preoperative diagnosis
- 9 Other unexpected histologic or cytologic findings that require clinical explanation

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