

Assay Description	Age From	Age To	Sex	Specimen Type	Critical Low	Critical High	Units of Measure
Acetaminophen	0 Minutes	150 Years	All	All		151	ug/mL
Activated Partial Thromboplastin Time	0 Minutes	150 Years	All	All		46	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
BUN, POCT	0 Minutes	150 Years	All	All		81	mg/dL
Calcium	0 Minutes	150 Years	All	All	6.9	12.6	mg/dL
Calculated CO <sub>2</sub> , POCT	0 Minutes	150 Years	All	All	10		mmol/L
Calculated Hematocrit, POCT	0 Minutes	150 Years	All	All	17	61	%
Calculated Hemoglobin, POCT	0 Minutes	150 Years	All	All	5	21	g/dL
Carboxyhemoglobin	0 Minutes	150 Years	All	All		21	%
Chloride	0 Minutes	150 Years	All	All	79	121	mmol/L
Chloride, POCT	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		5.1	mg/dL
CSF Glucose	0 Minutes	150 Years	All	All	36		mg/dL
DIC APTT	0 Minutes	150 Years	All	All	19	150	sec
DIC PLT	0 Minutes	150 Years	All	All	50	1000	x10(3)/uL
DIC PT	0 Minutes	150 Years	All	All	0	50.0	sec
Digoxin	0 Minutes	150 Years	All	All		2.01	ng/mL
Fibrinogen	0 Years	150 Years	All	All	75		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
Glucose, POCT	0 Minutes	150 Years	All	All	39	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	0 Minutes	150 Years	All	All	17	61	%
Hemoglobin * <sup>2</sup>	0 Minutes	2 Weeks	All	All	10.0	30.0	g/dL
Hemoglobin * <sup>2</sup>	2 Weeks	1 Months	All	All	8.0	30.0	g/dL
Hemoglobin * <sup>2</sup>	1 Months	12 Years	All	All	9.0	30.0	g/dL
Hemoglobin * <sup>2</sup>	12 Years	150 Years	All	All	6.0	30.0	g/dL
Hemoglobin, POCT	0 Minutes	150 Years	All	All	6	20	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

Legend:

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

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

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MercyOne Medical Center  
801 5th Street  
Sioux City, IA 51102

MercyOne Department of Laboratories  
Critical Result Document

Dunes Medical Laboratories  
101 Tower Road Suite 220  
Dakota Dunes, SD 57049

Magnesium	0 Minutes	150 Years	All	All	0.9	5.1	mg/dL
Nucleated RBC	0 Minutes	150 Years	All	All		11	Per 100 WBC's
pCO <sub>2</sub> , POCT	0 Minutes	150 Years	All	All	19	71	mmHg
pH, POCT	0 Minutes	150 Years	All	All	7.209	7.601	(none)
Phosphorus	0 Minutes	150 Years	All	All	1.0		mg/dL
Platelet <sup>*2</sup>	0 Minutes	150 Years	All	All	50	1000	x10(3)/uL
pO <sub>2</sub> , POCT	0 Minutes	150 Years	All	Blood, Arterial	49		mmHg
Potassium	0 Minutes	150 Years	All	All	2.8	6.1	mmol/L
Potassium, POCT	0 Minutes	150 Years	All	All	2.0	6.1	mmol/L
Protime	0 Minutes	150 Years	All	All		50.1	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
Temp Corrected pCO <sub>2</sub> , POCT	0 Minutes	150 Years	All	All	19	71	mmHg
Total bilirubin	0 Minutes	150 Years	All	All		15.01	mg/dL
Total CO <sub>2</sub> , POCT	0 Minutes	150 Years	All	All	10.9		mmol/L
Transferrin Percent Saturation	0 Minutes	150 Years	All	All		71	%
Triglycerides	0 Minutes	150 Years	All	All		1001	mg/dL
Venous CO <sub>2</sub>	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 <sup>*2</sup>	0 Minutes	150 Years	All	All	1.00	30.00	x10(3)/uL

Assay Description	Age From	Age To	Sex	Critical Result
<i>Bordetella pertussis</i> PCR	0 Minutes	150 Years	All	Detected
<i>Clostridium difficile</i> - PCR (Stool)	0 Minutes	150 Years	All	Detected
Hepatitis B Surface Antigen	0 Minutes	150 Years	All	Reactive
Hepatitis C Ab	0 Minutes	150 Years	All	Equivocal, or Reactive
HIV Interp	0 Minutes	150 Years	All	Reactive
Urine ketones	0 Minutes	5 Days	All	Trace, 15 mg/dL, 40 mg/dL, or ≥ 80 mg/dL
Blood Culture Gram Stains	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

Legend:

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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