

Stat Test List

The Laboratory will make every attempt to furnish results for tests requested "STAT" within 60 minutes of their receipt in the laboratory. When a number of STAT requests are received by the laboratory, the tests will be performed in the order of their receipt. If undue delays occur or are anticipated, the requester will be notified. Only specimens from ER, OR, PAR or DLCart specimens are accepted with the laboratory backup requisitions. These forms may be used by all units only when computer downtime has been announced via public address system, or Laboratory computer downtime has been announced.

ABG	Cord Blood Workup	
Acetaminophen	Creatinine	Phenobarbital
Acetone	D-Dimer	Phenytoin
Albumin	Digoxin	Phosphorus
Alcohol	Direct Antiglobulin	Potassium
Amylase	DAT Coombs	Protime
ALT (SGPT)	Electrolytes	PTT
AST (SGOT)	Fibrinogen	Reticulocyte
Bilirubin, Total	Gentamicin	Salicylate
BMP (Basic Metabolic Panel) BNP	Glucose	Synovial Fluid
BUN	Gram Stain	Theophylline
CO2	HCG Quantitative	TSH
CBC	Lactic acid	T4, Free & Total
CK	LDH	T3, Free & Total
CKMB	Lithium	Triglyceride
CMP (comprehensive) metabolic panel)	Lipase	Troponin I
Cross match	Magnesium	Type and Screen
CSF - (Cell count, glucose, protein)	Myoglobin	Uric Acid
		Urinalysis
		Vancomycin

Critical Values - The physician or designate is notified if results ---Indicates critical value not established for this range

	<u>Less Than</u>	<u>Greater Than</u>	<u>Units</u>
Anion Gap	0	30	
Bilirubin, Total	-----	15	mg/dL
Calcium (CA)	6.9	12	mg/dL
Chloride (CL)	79	126	mmol/L
Fibrinogen	100	-----	mg/dL
Glucose, Fasting	40	400	mg/dL
Glucose, Random	40	400	mg/dL
Glucose Tolerance Test	40	400	mg/dL
Hematocrit	18	60	%
Hemoglobin	6.5	20	g/dL
INR (International Normalized Ratio)	-----	4.1	None
Ionized Calcium (ICAL)	0.78	1.58	mmol/L
Magnesium	0.9	7.1	mg/dL

Partial Thromboplastin	-----	110	seconds
Phosphorus	1.5	-----	mg/dL
Potassium (K)	2.4	6.5	seconds
Protein, Total	-----	10.0	g/dL
Sodium (NA)	119	155	mmol/L
WBC (White Blood Cell Count)	1.5	25	K/uL

Neonatal/Pediatric Chemistry and Hematology Critical Values

<u>Test</u>	<u>Age</u>	<u>Value<</u>	<u>Value></u>	<u>Units</u>
Bilirubin	0-3 wks	-----	15.0	mg/dL
Calcium	0-18 yrs	6.9	12.0	mg/dL
Chloride	0-150 yrs	79	126	mmol/L
Glucose (fasting)	0-1 day	40	300	mg/dL
	1 day-12 yrs	40	400	mg/dL
Glucose (Random)	0-3 wks	40	300	mg/dL
	3 wks-150 yrs	40	400	mg/dL
Hematocrit	0-2 wks	30	70	%
	2 wks-1 mo	30	60	%
	1 mo-18 yrs	18	60	%
Magnesium	0-20 yrs	0.9	7.1	mg/dL
Phosphorus		1.5	----	mg/dL
Platelet Ct	0-150 yrs	20	1000	K/uL
Potassium (K)	0-3 wks	3.0	6.4	mmol/L
	3 wks-150 yrs	2.4	6.5	mmol/L
Protein		-----	10.0	g/dL
Sodium	0-3wks	125	150	mmol/L
	3wks-150 yrs	119	155	mmol/L
White Cell Ct (WBC)	0-2 yrs	2.0	25	K/uL
	2-16 yrs	1.5	25	K/uL

Therapeutic Drug Monitoring

<u>Drug</u>	<u>Potentially Toxic</u>
Acetaminophen	>120 ug/mL
Carbamazepine (Tegretol)	>18 ug/mL
Digoxin	>2.4 ng/mL
Dilantin	>2.5 ug/mL
FK 506 (Tacrolimus)	>21.0 ng/mL
Gentamicin (Trough)	>2.1 ug/mL
Gentamicin (Peak)	>25.1 ug/mL
Lidocaine	>6.0 ug/mL
Lithium	>1.3 mEq/L
Phenobarbital	>50 ug/mL
Procainamide	>16.0 ug/mL

Quinidine	>6.0 ug/mL
Salicylates	>50 mg/dL
Theophylline (Aminophylline)	>30 ug/dL
Tobramycin (Trough)	>2.1 ug/mL
Tobramycin (Peak)	25.1 ug/mL
Valproic Acid (Depakene)	>130 ug/mL
Vancomycin (Trough)	>20 ug/mL
Vancomycin (Peak)	>80 ug/mL

The physician or designate is notified regarding the following Critical findings :

Hematology

The following are considered to be critical values:

- Suspected blasts found on a new (undiagnosed) patient shall be called after Pathologist and/or Hematology Supervisory Staff.
- Positive Kleinhauer Betke Stains (values > 2.1%)
- Positive urine glucose/reducing substances present in children less than one year old.

Blood Bank

Incompatible crossmatch when delay obtaining compatible blood requires notification of patient care area.

Microbiology

The following are considered to be critical results:

Any growth or positive serological test on normally sterile body fluid or blood (urine not included)

- Positive gram stain or India Ink on CSF
- Positive Meningitis Panel, B Strep antigen, or Crypto-LA results on serum, urine, or CSF
- Positive Acid Fast Smears or Cultures
- Positive Malaria Smears

The Anatomic Pathology section of the Department of Pathology will immediately telephone or fax the attending/ordering physician when the following clinical findings are discovered:

- Any unexpected finding including malignancies, infectious diseases, discrepancies between frozen section diagnosis and final diagnosis

The following specific diagnostic findings will also be immediately telephoned to the attending/ordering physician:

- If amyloid, large arterial vessel or pulmonary tissue is discovered in a liver biopsy
- If pleura is seen on a lung biopsy
- If Epicardium is seen in myocardial biopsy
- All melanoma and Toxic Epidermal Necrolysis dermatology cases
- Any diagnosis of Giant Cell Arteritis of Temporal Artery
- Active lesion associated with acute renal failure (Kidney Biopsies)