

ALERT VALUES – CALL BACK

Anatomical Pathology		
Fat in endometrial curettings		
Fat in endoscopic biopsy		
Malignancy in unexpected location		
Neoplasms causing paralysis		
No chorionic villi seen in POC		
Serious infections, including those involving CNS, heart, and eye		
Significant difference between frozen section and permanent diagnosis		
Significant difference between immediate and final FNA interpretation		
Test	Low	High
Chemistry		
Bilirubin, Total, Plasma or Serum		
Newborns ≤1 day	none	≥4 mg/dL
Newborns 1-2 days	none	≥7 mg/dL
Newborns 3 days	none	≥9 mg/dL
Newborns 4 days	none	≥11 mg/dL
Newborns 5-30 days	none	≥15 mg/dL
Newborns >30 days-24 months	none	≥18 mg/dL
Blood Gas, Arterial and Capillary		
pH	7.2	7.6
pCO ₂	20 mmHg	70 mmHg
pO ₂	50 mmHg	none
Calcium, Ionized, Blood	0.4 mg/dL	
Calcium, Total, Plasma or Serum		
Pediatrics	7.5 mg/dL	13 mg/dL
Adults	6 mg/dL	13 mg/dL
Carbon Dioxide, Plasma or Serum	10 mmol/L	40 mmol/L
Carbon Monoxide, Blood		≥20%
Glucose, Plasma or Serum		
Newborns (0-1day)	42 mg/dL	180 mg/dL
Pediatrics (1 day – 1 month)	42 mg/dL	250 mg/dL
Pediatrics	50 mg/dL	250 mg/dL
Adults (> 12 years)	60 mg/dL	500 mg/dL
Lactic Acid	None	4.0 mmol/L
Magnesium, Plasma or Serum		
Adults	1.0 mg/dL	3.0 mg/dL
Obstetrics		8.0 mg/dL
Phosphorus, Plasma or Serum		
Newborn (< 1 month)	2.9 mg/dL	none
Pediatrics (1 month – 12 yrs)	1.5 mg/d	none
Adults (>12 yrs)	1.0 mg/dL	none
Potassium, Plasma or Serum	3.0 mmol/L	6.0 mmol/L
Sodium, Plasma or Serum		
Pediatrics	130 mmol/L	150 mmol/L
Adults	120 mmol/L	160 mmol/L
T4 (Thyroxine), Total Only, Serum	≤1.0 ug/dL	none

Coagulation		
Activated Partial Thromboplastin Time (APTT), Plasma Pediatrics Adults	none none	>60 seconds >160 seconds
Fibrinogen, Plasma	100 mg/dL	none
Prothrombin (Innovin) Time, Plasma Pediatrics (PT) International Normalized Ratio (INR)	none none	>20 seconds >4.0
Cytology		
Genital cases interpreted as malignant		
Malignant cells in CSF		
Hematology		
Hemoglobin	7 gm/dL	20 gm/dL
Hemoglobin (0-1 month)	7 gm/dL	22.3 gm/dL
Leukocytes (WBCs)	2,000 cu mm	30,000 cu mm
Platelet Count, Blood Pediatrics Adults	60,000/cu mm 75,000/cu mm	none none

Test	Low	High
Therapeutic Drug Monitoring		
Acetaminophen		≥140 mg/L
Carbamazepine, Total		≥18 mg/L
Carbamazepine, Free		>3 mg/L
Cyclosporine		≥1,000 ng/mL
Digoxin		≥2.5 ng/mL
Ethosuximide		≥200 mg/dL
Gentamicin, Plasma or Serum Peak Trough		≥12 mg/L ≥2 mg/L
Lidocaine, Plasma or Serum		≥5 mg/L
Lithium, Serum		>2.0 mEq/L
Procainamide, Serum NAPA + Procainamide Procainamide		≥35 mg/L ≥12 mg/L
Phenobarbital, Plasma or Serum		≥60 mg/L
Primidone		≥24 mg/dL
Phenytoin, Total		≥30 mg/L
Phenytoin, Free		≥3 mg/L
Quinidine, Plasma or Serum		≥6 mg/L
Salicylate, Serum		≥200 mg/dL
Theophylline, Plasma or Serum		>20 mg/L
Tobramycin, Plasma or Serum Peak Trough		≥12 mg/L ≥2 mg/L
Valproic Acid, Serum		≥175 mg/L
Vancomycin, Serum Peak Trough		≥80 mg/L >20 mg/L
Transfusion Services		
Direct Antiglobulin Test, Blood	All positive cord blood or post-transfusion specimens	
Fetal Screen	Positive (Post-Partum RhoGam Candidates)	
Urinalysis		
Urinalysis Glucose-Newborn	none	Positive

Microbiology/Virology

Any positive Group B Streptococci culture in amniotic or amniocentesis fluid

Gram negative rods in Gram stain in eye culture or *Pseudomonas aeruginosa* in culture

New MRSA isolates Inpatient only (positive ICU MRSA screens are sent to unit printers only)

Positive acid-fast smear or culture

Positive Cryptococcal antigen (CSF or serum)

Positive CSF smear or culture

Positive Gram stains in sterile body sites-joint, pericardial, pleural

Legionella positive urine antigen

Positive Mucor isolates

Positive *Nocardia* isolates

Positive *Staphylococcus aureus* in suspected toxic shock syndrome

Positive Group A strep in blood culture, wound, or sterile body site

Vancomycin Intermediate or Resistant *Staphylococcus aureus*

Vancomycin-Resistant Enterococci

Positive Herpes on CSF or brain or infant < 6 weeks of age