

**CAMPUS AFFECTED: PEKIN**

## AFFECTS PATIENT CARE

**TEST NAME: LABORATORY CRITICAL RESULTS**

**DATE OF CHANGE: 02/28/2018**

**REPLACING:**

**SPECIMEN TYPE:**

**ORDERING CODES:**

**EPIC:**

**NEW:**

**SQ:**

**NEW:**

**OTHER USEFUL INFORMATION:**

**LABORATORY CRITICAL RESULTS**

### CRITICAL TABLE OF RESULTS

TEST	LOW	HIGH
CO <sub>2</sub>	< 10 mmol/L	> 50 mmol/L
Bilirubin – Newborn		≥ 15 mg/dl
Calcium	< 6.0 mg/dl	> 12.0 mg/dl
Glucose – CSF	< 20 mg/dl	
Glucose - Plasma Child/Adult	< 50 mg/dl	>500 mg/dl
Glucose - Plasma Newborn	< 30 mg/dl	≥300 mg/dl
Hemoglobin – Carboxy (CO; Carbon Monoxide)		≥ 15.0 %
Hemoglobin - Plasma		≥ 4.0 mg/dl
Ionized Calcium	< 2.8 mg/dL	>6.4 mg/dL
Iron		≥ 500 ug/dl
Magnesium		≥ 5.0 mg/dl
Magnesium –OB	≤ 0.5 mg/dl	≥ 8.0 mg/dl
PCO <sub>2</sub> - Arterial or Capillary	< 20 mmHg	> 70 mmHg

pH - Arterial or Capillary	< 7.2 units	> 7.6 units
PO <sub>2</sub> - Arterial	< 40 mmHg	
Potassium -	<3.0 mmol/L	>6.0 mmol/L
Potassium - Capillary	<2.5 mmol/L	>7.0 mmol/L
Sodium - Serum	<120 mmol/L	>155 mmol/L
Troponin		>0.045 ng/ml

TEST	LOW	HIGH
Acetaminophen – 4 hours after ingestion		≥ 160 ug/ml
Carbamazepine		≥ 15 ug/ml
Dapakene (Valproate)		≥125 ug/ml
Digoxin (Lanoxin)		> 2.5 ng/ml
Dilantin (Phenytoin)		0–12 weeks: ≥20 ug/ml > 12 weeks: ≥40 ug/ml
Ethanol		≥300 mg/dl
Gentamycin:		
Trough		N/A
Peak		> 12.0 ug/ml
Lithium		≥ 2.0 mmol/L
Phenobarbital		≥ 40 ug/ml
Salicylate		≥ 40 mg/dl
Theophylline		≥ 25 ug/ml

Tobramycin:	
Trough	NA
Peak	≥ 12.0 ug/ml
Vancomycin:	
Trough	≥ 30 ug/ml
Peak	≥ 60 ug/ml

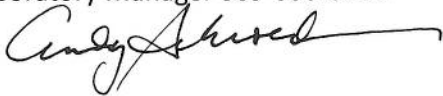
TEST	LOW	HIGH
Absolute Neutrophil Count	<0.50 th/mm <sup>3</sup>	
Act. Partial Thromboplastin Time		≥ 127 seconds
Blood Culture	Positive gram-stain from positive blood culture bottle or positive Biofire	
CSF	Positive gram-stain culture, or Biofire	
CSF Count		≥10 or more WBC/mm <sup>3</sup>
Fibrinogen	<100 mg/dL	
Hematocrit – Whole Blood	<21%	
Hemoglobin -Whole Blood	< 7.0 g/dL	
Peripheral Smear		≥ 5% blasts
Platelet Count	< 20 th/mm <sup>3</sup>	

Prothrombin Time Activity		INR $\geq$ 4.5
Urine Glucose/ Reducing Sugars in Newborns		>0.1 g/dl (Trace)
Urine Ketones in Newborns		>5 mg/dl (Trace)
White Blood Cells	< 2.0 th/mm <sup>3</sup>	31 days – adult >30.0 th/mm <sup>3</sup> 7 days – 30 days >40.0 th/mm <sup>3</sup> 0 – 7 days >45 th/mm <sup>3</sup>

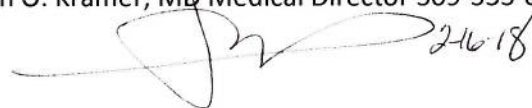
*For Technical Information Contact:*

*For Scientific and Clinical Information Contact:*

Cindy Schroeder, Laboratory Manager 309-353-0733



Kathryn O. Kramer, MD Medical Director 309-353-0737



Dana Spears, Regional Director of Laboratories 309-672-4930

