

**Critical Test Results**

Approved By: BACK, MARLIESA(MTS)  
(03/30/2020)  
FINN M.D., WILLIAM G.(MEDICAL  
DIRECTOR) (03/30/2020)

Revision: 3.30

**CRITICAL VALUES – TIER 1**

ANALYTE	CRITICAL VALUE	ANALYTE	CRITICAL VALUE
<b>REFERRAL TESTS:</b>		Ethanol	Low toxic >300 mg/dL
AFB Stain (Quest Valencia)	Rare AFB seen; AFB seen		High toxic >400 mg/dL
AFB Culture (Quest Valencia)	AFB isolated...	Ethosuximide	>200 ug/mL
<b>WARDE TESTS</b>		Ethylene glycol	>20mg/dL
Acetaminophen - 4 hr post dose	>200 ug/mL	Fluoxetine	>1000 ng/mL
12 hr post dose	>50 ug/mL	Norfluoxetine	>1000 ng/mL
Acetone	>50 mg/mL	Imipramine + Despiramine	>500 ng/mL
Alprazolam	>100 ng/mL	Isopropanol	>40 mg/dL
Amikacin Peak	>35 ug/mL	Lamotrigine	>20 ug/mL
Trough	>10 ug/mL	Lead >15 years of age	>80 ug/dL
Amiodarone	>3.0 ug/mL	Lead 0-15 years of age	>45 ug/dL
Amitriptyline	>500 ng/mL	Lidocaine	>6.0 ug /mL
Amitriptyline + Nortriptyline	>500 ng/mL	Lorazepam	>300 ng /dL
Caffeine	>30 ug/mL	Methanol	>20 mg/mL
Calcium, ionized	≤3.5 mg/dL	Methadone	>2000 ng/mL
Calcium, ionized	≥6.5 mg/dL	Nortriptyline	>500 ug/mL
Carbamazepine	>15 ug/mL	Pentobarbital	>50 ug/mL
Carbamazepine, Free	>4.0 ug/mL	Phenobarbital	>60 ug/mL
Chlordiazepoxide + Nordiazepam	>5000 ng/mL	Phenytoin	>30 ug/mL
Clonazepam	>80 ng/mL	Phenytoin, Free	>3.0 ug/mL
Clozapine	>1000 ng/mL	Primidone	>20 ug/mL
Cyclosporine	>700 ng/mL (variable) organ dependent	Salicylates	>30 mg/dL
Diazepam + Nordiazepam	>5000 ng/mL total	Tacrolimus, trough (12hr)	>26 ng/mL (variable) organ dependent
Desipramine	>500 ng/mL	Trazodone	>5000 ng/mL

# Critical Test Results

---

Doxepin	>500 ng/mL	Zonisamide	>100 ug/mL
---------	------------	------------	------------

**CRITICAL VALUES – TIER 2**

<b>ANALYTE</b>	<b>CRITICAL VALUE</b>
<b>REFERRAL TESTS:</b> Any test not on tier 1 list that is called to Warde as a critical or alert value is treated as a tier 2 critical result.	
<b>WARDE TESTS</b>	<b>CRITICAL VALUE</b>
Adenovirus PCR	Positive CSF, Positive Neonate (<8 weeks)
Pertussis PCR panel	Positives
Cystic fibrosis screen	All mutations
Chlamydia culture	Positive Neonate (<8 weeks)
Chlamydia & Neisseria nucleic acid by TMA	Positive Neonate (<8 weeks)
Comprehensive virus detection	Positive CSF, Positive Neonate (<8 weeks)
Cytomegalovirus PCR, Qualitative	Positive CSF, Positive Neonate (<8 weeks)
Enterovirus PCR	Positive CSF, Positive Neonate (<8 weeks)
Factor V leiden mutation analysis	All mutations
Influenza A and B PCR	Positive CSF, Tissue-Brain, Positive Neonate (<8 weeks),
Herpes simplex virus 1&2 PCR, Qualitative	Positive CSF, Tissue-Brain, Positive Neonate (<8 weeks)
MTHFR genotyping C677T/A1298C	All mutations
Neutrophil Cytoplasmic Antibody	Positives
Norovirus group 1&2 detection by PCR	Positive Neonate (<8 weeks)
Parainfluenza PCR	Positive Neonate (<8 weeks)
Prothrombin 20210A mutation analysis	All mutations
Rhinovirus PCR	Positive Neonate (<8 weeks)
Respiratory syncytial virus (RSV) PCR	Positive Neonate (<8 weeks)
SARS-CoV-2 (COVID-19)	Detected
Comprehensive virus detection, tissue	Positive Tissue-Brain, Positive Neonate (<8 weeks)
Virus culture	Positive Neonate (<8 weeks)
Varicella zoster virus PCR	Positive CSF, Tissue-Brain, Positive Neonate (<8 weeks)