

NorDx Franklin Campus Critical Laboratory Values

CHEMISTRY

TEST	ALERT WITHIN 1 HOUR
Glucose (adult)	HIGH greater than 400
	LOW less than 55
Potassium	HIGH greater than 6
	LOW less than 2.8
Phosphorus	LOW less than 1.0
Sodium	HIGH greater than 160
	LOW less than 120
Bicarbonate	LOW less than 10
Bicarbonate	LOW 10 to 15 First instance only
Magnesium	HIGH greater than 5 First instance only. May tolerate higher levels for L&D patients.
	LOW less than 1 First instance only
Calcium (Total or ionized)	HIGH greater than 13 total, greater than 6 ionized. First instance only.
	LOW less than 7 total, less than 3.5 ionized. First instance only.
Troponin	HIGH Indicative of an acute MI. First incidence only.
Lactic Acid	HIGH greater than 5. First instance only.
Creatinine	HIGH greater than 2.5. First instance only. RISE of 1.0 or greater
Blood Gas pH	HIGH greater than 7.6
	LOW less than 7.2
Blood Gas pO ₂	LOW less than 60

TOXICOLOGY AND THERAPUTIC DRUG MONITORING

TEST	LEVEL I ALERT WITHIN 1 HOUR
Acetaminophen	HIGH greater than 50. First instances only
Acetone	HIGH greater than 20mg/dL First instance only
Carboxyhemoglobin	HIGH greater than 5% First instance only
Ethanol	HIGH greater than 400mg/dL First instance only
Ethylene Glycol	HIGH greater than 25mg/dL First instance only
Isopropanol	HIGH greater than 40mg/dL First instance only
Lithium (< 65 years)	HIGH greater or equal to 1.5 mEq/L First instance only
Lithium (>= 65 years)	HIGH greater or equal to 1.3 mEq/L First instance only
Methanol	HIGH greater than 20mg/dL First instance only
Salicylate	HIGH greater than 30 First instance only
Digoxin	HIGH greater than 2.5mg/ml
Procainamide	HIGH greater than 12mcg/ml
Procainamide +NAPA	HIGH greater than 30mcg/ml
Quinidine	HIGH greater than 6mcg/ml

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Date/Time Generated: Nov 08, 2020 10:59

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HEMATOLOGY

TEST	ALERT WITHIN 1 HOUR
HCT	HIGH greater than 60
	LOW less than 22
	Drop greater than 10
Hemoglobin	HIGH greater than 20
	LOW less than 7
	Drop greater than 3
Platelets	HIGH greater than 1000k First instance only
	LOW less than 30k First instance only
WBC	HIGH greater than 35k First instance only
	LOW less than 1k First instance only
Manual Diff	
Malaria/Babesiosis Smear	Positive
INR	HIGH greater than 5
PTT	HIGH greater than 120

STAINS – CULTURES – PCR – ANTIGENS/TOXINS

TEST	ALERT WITHIN 1 HOUR
CSF Stain	Positive (bacteria or fungus)
Blood Culture Stains	Positive
Fluids from joints or other body cavity that are usually sterile (except urine)	Positive
STAT OR specimens for Gram Smear	Positive
Indian Ink (for cryptococcus)	Positive
PCP Silver Stain	Positive
Blood Cultures	Positive for bacteria or fungus
CSF cultures	Positive
Cultures of fluids from joints or other body cavity that are usually sterile (except urine)	Positive
Wound Culture	Positive for Clostridium
HSV PCR	Positive CSF
Cryptococcus	Positive
Hemophilus Influenza	Positive
Neisseria Meningitis	Positive

7/25/16 Lithium revised