

LABORATORY PROCEDURE MANUAL
NORDX at MEMORIAL HOSPITAL

CRITICAL VALUE LIST

HEMATOLOGY	LOW	HIGH	UNITS
HGB	6.5		G/DL
HCT	19.0		%
WBC *initial per stay	2.0	50.0	K/CMM
PLATELET *initial per stay	40	1000	K/CMM
SCHISTOCYTE		3+	
BLAST CELLS, BLOOD		5	%
BLAST CELLS, CSF		1	%
COAGULATION	LOW	HIGH	UNITS
INR		>5.0	
APTT <i>Inpatient</i>		150	SEC
APTT <i>Outpatient</i>		60	SEC
FIBRINOGEN	100		MG/DL
CHEMISTRY	LOW	HIGH	UNITS
ACETAMINOPHEN		250.1	MCG/ML
BILIRUBIN, TOTAL ≤ 6 MONTHS		15.1	MG/DL
CALCIUM	5.9	13.1	MG/DL
ETHANOL		400	MG/DL
GLUCOSE ≤ 6 MONTHS	44	201	MG/DL
GLUCOSE > 6 MONTHS	44	501	MG/DL
LACTATE *initial per stay		4.0	MMOL/L
MAGNESIUM	0.9	8.1	MEQ/L
PHOSPHORUS	1.0	9.1	MG/DL
SALICYLATE		400.1	MG/DL
SODIUM	119	161	MEQ/L
POTASSIUM	2.7	6.3	MEQ/L
HS-TROPONIN T		> 50	NG/L
TROPONIN I (ISTAT BACKUP)		≥ 0.05	NG/ML
THERAPEUTIC DRUGS	LOW	HIGH	UNITS
DIGOXIN		>2.5	NG/ML
DILANTIN		>35.0	MCG/ML
LITHIUM ≤ 65 YEARS		≥1.5	MEQ/L
LITHIUM > 65 YEARS		≥1.3	MEQ/L
CARBAMAZEPINE		>15.0	MCG/ML
VALPROIC ACID		>150.0	MCG/ML
VANCOMYCIN, RANDOM		>50.0	MCG/ML
VANCOMYCIN, TROUGH		>30.0	MCG/ML

BLOOD GASES

ARTERIAL	LOW	HIGH	UNITS
PH	≤ 7.20	≥ 7.60	
PCO2	≤ 20	≥ 70	MMHG
PO2	≤ 50		MMHG
THB	≤6.5		G/DL
HBCO		≥15.0	%
METHB		≥5.0	%

VENOUS	LOW	HIGH	UNITS
PH	≤ 7.20	≥ 7.50	
THB	≤6.5		G/DL
HBCO		≥15.0	%
VENOUS CORD	LOW	HIGH	UNITS
PH	<7.00		

BLOOD BANK

- **INCOMPATIBLE CROSSMATCH**
- **POSITIVE ANTIBODY SCREEN - IF RELEVANT TO OBTAINING COMPATIBLE CROSSMATCH.**
- **POSTIVE DIRECT ANTIGLOBULIN TEST (COOMBS)**

MICROBIOLOGY

- **POSITIVE BLOOD CULURE GRAM STAIN**
- **POSITIVE CSF (ANY BODY FLUID FROM A STERILE SITE) GRAM STAIN**
- **POSITIVE C.DIFF- Courtesy call**

MOLECULAR

- **POSITIVE ANAPLASMA PHAGOCYTOPHILUM PCR**
- **POSITIVE BABESIA MICROTI PCR**
- **POSITIVE SARS-COV-2 PCR - Courtesy call**
- **POSITIVE PRE-OP MRSA PCR – Courtesy call**
- **POSITIVE GRP B STREP PCR - Courtesy call**

Reviewed and Revised by the Medical Staff 10/97
Reviewed with no revision by Medical Staff 3/2011
Reviewed and Revised by the Medical Staff 4/2012
Reviewed and Revised by the Medical Staff 3/13/2015

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