

Springfield Memorial Hospital
701 N. First Street
Springfield, IL 62781

Department of Laboratory Medicine & Pathology

Normal Range File

Reviewed date: 3/28/2001; 8/24/2001; 3/29/2002; 6/20/2002; 5/20/2003; 1/29/04; 3/30/04; 7/15/04; 10/26/04; 11/01/04; 11/11/04; 2/21/05; 3/29/05; 8/25/05; 2/28/06; 1/18/07; 2/16/07
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Reviewing technologist: Paul Sullivan, MS MT(ASCP)

		Low	High	Units
Complete Blood Count				
White Blood Count		3.4	9.4	K/CUMM
Red Blood Count	male	4.7	6.1	M/CUMM
	female	4.2	5.4	M/CUMM
Hemoglobin	male	14	18	G/DL
	female	12	16	G/DL
Hematocrit	male	42	52	%
	female	37	47	%
MCV		81	94	CU MIC
MCHC		31	36	%
RDW		11.7	15.5	%
Platelet Count		140	410	K/CUMM
ABS NEU		1.8	6.5	K/CUMM
ABS LYM		0.9	3.0	K/CUMM
ABS MON		0.2	0.8	K/CUMM
ABS EOS		0	0.4	K/CUMM
ABS BAS		0	0.2	K/CUMM
Differential consists of:				
NEU		47	67	%
LYM		25	45	%
MON		1	9	%
EOS		0	6	%
BAS		0	2	%
Reticulocyte		0.5	2.0	%
MCH	do not report			
	27-34 pg is published normal range			
NRBC		0	0	%

Comprehensive Metabolic Panel

		Low	High	Units
Sodium		136	145	MMOL/L
Potassium		3.5	5.1	MMOL/L
Chloride		98	107	MMOL/L
CO2		21	31	MMOL/L
BUN		7	25	MG/DL
Creatinine		0.6	1.3	MG/DL
Glucose		70	105	MG/DL
Calcium		8.6	10.3	MG/DL
Total Protein		6.0	8.3	G/DL
Albumin		3.5	5.7	G/DL
Total Bilirubin		0.3	1.0	MG/DL
AST		13	39	U/L
ALP		34	104	U/L
ALT		7	52	U/L
Procalcitonin			≤0.49	ng/mL

hs-Troponin

Reference Range	Male	0	20	pg/mL
	Female	0	12	pg/mL
Critical	Male		>= 100	pg/mL
	Female		>= 75	pg/mL

HCG

SerumHCGB	Negative	Positive	
	0-5	≥ 5	mlU/mL
Urine HCG	Negative = Normal Positive indicates pregnancy		

Infectious Serum Chemistry

Hepatitis B	Negative
Hepatitis C	Negative

Coagulation Testing

	Low	High	Units
D-Dimer	0	0.5	ug/mL
Fibrinogen	200	400	MG/DL
Prothrombin Time	11.7	14.7	seconds
Partial Thromboplastin time	22.9	35.1	seconds
INR	0.9	1.1	

CPK MB

CPK	30.0	223	U/L
CPK-MB	0.3	4.0	ng/mL
CPKI = to or less than 1.0 indicates skeletal origin			
CPKI >1.0 and < 2.5 possible cardiac origin			
CPKI > 2.5 probable cardiac origin			

Urinalysis

Specific gravity	1.003	1.03	
pH	4.5	7.5	
Protein	Negative		
Glucose	Negative		
Ketones	Negative		
Bilirubin	Negative		
Hemoglobin	Negative		
Nitrates	Negative		
Urobilinogen	Normal		
Leukocytes	Negative		
RBC	0	2	RC/HPF
Squamous Epithelial	0	5	EP/HPF
WBC	0	4	WC/HPF
Mucous	No range reported		
Crystals	No range reported		
Casts	0		/LPF
Bacteria	None		
Hemocult	No range reported		

Arterial Blood Gas

PH	7.35	7.45	
pCO2	34	46	mmHg
pO2	80	97	mmHg
Total CO2	23	27	mEq/L
Measured O2 saturation	90	97	%
Bicarbonate (HCO3)	22	26	mmol/L

Miscellaneous Chemistry

Amylase	29	103	IU/L
B12	>200pg/mL		
Cholesterol		<199	MG/DL
Direct Bilirubin	0	0.2	MG/DL
Ferritin	20	200	ng/mL
Folate	>6.0		ng/mL
GGT	9	64	IU/L
HgbA1C	4.20%	5.80%	
HDL	23	92	MG/DL
Iron	50	212	ug/mL
Lactic Acid	0.5	2.0	MMOL/L
LDH adult	140	271	U/L
LDL		<100	MG/DL
Magnesium	1.9	2.7	MG/DL
Phosphorus	2.5	5	MG/DL
Digoxin	1.0	2.0	ng/mL
TIBC	203	362	ug/dL
Transferin saturation (TIBC + Iron)			
Triglyceride	Male	10	160 MG/DL
Triglyceride	Female	10	190 MG/DL
Uric Acid		2.2	6.6 MG/DL
Indirect Bilirubin		0	0.6 MG/DL