

**BRN SON LABORATORIES, 601 John St, Kalamazoo Mi 49007**  
**REFERENCE RANGES: HEMATOLOGY, COAGULATION, URINALYSIS**

AGE	WBC x10 <sup>9</sup> /L	RBC x10 <sup>12</sup> /L	HGB g/dL	HCT %	MCV fl	Poly Neutrophils x10 <sup>9</sup> /L	LYMPH x10 <sup>9</sup> /L	MONO x10 <sup>9</sup> /L	EOS x10 <sup>9</sup> /L	BASO x10 <sup>9</sup> /L	
>12yr M	4.0-11.0	4.4-6.0	13.5-17.5	41.0-51.0	80-99	1.5-7.1	1.0-4.0	0.2-1.0	0-0.7	0-0.2	
>12yr F	4.0-11.0	4.2-5.5	12.0-16.0	36.0-47.0	80-99	1.5-7.1	1.0-4.0	0.2-1.0	0-0.7	0-0.2	
0-1 day	9.0-38.0	3.9-6.2	13.5-20.0	42.0-61.0	95-118	5.0-28.0	2.0-11.5	0.5-2.0	0.2-2.0	0-0.2	
2-6 day	5.0-30.0	3.9-6.2	13.5-20.0	42.0-61.0	95-118	1.5-21.0	2.0-11.0	0.2-2.0	0.2-2.0	0-0.2	
7-14day	5.0-21.0	3.9-6.0	12.5-19.5	39.0-60.0	86-113	1.5-9.0	2.0-11.0	0.2-1.5	0-1.0	0-0.2	
15-30day	5.0-20.0	3.0-5.8	10.0-18.5	31.0-58.0	85-112	1.0-9.0	2.0-17.0	0.2-1.5	0-1.0	0-0.2	
1-6 m	5.0-19.5	2.7-5.0	9.0-15.0	28.0-45.0	74-106	1.0-8.5	2.5-16.5	0.2-1.5	0-1.0	0-0.2	
6m- 2yr	6.0-17.5	3.7-5.3	10.5-14.0	33.0-42.0	70-88	1.5-8.0	3.0-13.5	0.2-1.5	0-1.0	0-0.2	
2-6 yr	5.0-17.0	3.9-5.4	11.0-14.0	34.0-42.0	75-88	1.5-8.0	1.5-9.5	0.2-1.5	0-1.0	0-0.2	
6-12 yr	4.0-14.5	4.0-5.4	11.5-15.0	35.0-45.0	77-94	1.5-8.0	1.5-6.5	0.2-1.5	0-1.0	0-0.2	
<b>Other Parameters</b>	<b>MCHC g/dL</b>	<b>RDW</b>	<b>Platelets x10<sup>9</sup>/L</b>		<b>Atypical Lymph* x10<sup>9</sup>/L</b>	<b>Meta*</b>	<b>Myelo*</b>	<b>Pro Myelo*</b>	<b>Blast*</b>	<b>Abs.Im m.Gran. x10<sup>9</sup>/L</b>	
All Ages	32-36	<15	140-440		<0.7	None	None	None	None	0.00- 0.04	
<b>SED RATE: mm/hr</b>	Age ≥50yr ≤50yr	Males <20 <15	Females <30 <20	Children 0-1yr: 0-2 1-13yr:3-13		<b>MCH</b> 25-35 pg/cell	<b>RETIC</b> Percent: Absolute: (10 <sup>9</sup> /L)	Adult 0.5-1.5 23-93	0-7 day 0.0-7.0 0-434	8d-3mo 0.0-3.0 0-174	* In Manual diff Only

**COAGULATION:**

<b>APTT</b>	<b>25-39 seconds</b>
<b>D-Dimer</b>	<b>≤500 ng/mL FEU</b>
<b>Fibrinogen</b>	<b>200-450 mg/dL</b>
<b>Prothrombin Time</b>	<b>10.5-13.0 seconds</b>
<b>INR (published ranges: for Warfarin Therapy)</b>	<b>2.0 - 3.0</b> Anticoagulation for prophylaxis and treatment of venous thrombosis, pulmonary and systemic embolism, and bio-prosthetic heart valve. <b>2.5 - 3.5</b> Anticoagulation for mechanical heart valve or post myocardial infarction.

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URINALYSIS: Chemistries

pH	Albumin	Glucose	Ketone	Bilirubin	Blood	Urobilinogen	Nitrite	Leuko Esterase	Specific Gravity
5-7	Neg	Neg	Neg	Neg	Neg	0.0-2.0	Neg	Neg	1.005 -1.030

URINALYSIS: Microscopic

RBC per hpf	WBC per hpf	Squamous per hpf	Renal per hpf	Transitional per hpf	Bacteria	Hyaline Casts per lpf	Mucous	Amorphous
0-3	0-2	0-15	0-2	0-5	NEG	0-4	1+ - 4+	0-4+