Southern Nevada Public Health Laboratory TEST MENU

Complete Blood Count (CBC)

Method	Sysmex® XN-2000 mul	ti-parameter automat	ted hematology analy	zer - the		
	hydrodynamic focusing	-	٠		aser)	
	and SLS-hemoglobin me	`	vegtomeny memou	Semiconductor id	,,	
		Allou.				
CPT Code	85027					
Specimen	Whole blood – Required Volume: 1mL					
	RBT Micro tube – 250uL					
	Minimum specimen volume: 1mL					
Collect in	EDTA-2K or EDTA-3K anticoagulant tube					
Labeling	Label with patient's full name, date of birth, collection date, and time.					
Processing	Processing Serum: Allow refrigerated samples to come to room temperature and mix well					
	before analysis. Do not place CBC and Diff samples on a mechanical rocker. Constant rockin					
	may alter white cell membranes, resulting in false interpretive messages.					
Troncoct						
Transport	Store and transport refrigerated (2-8°C) within 48 hours					
	Room temperature stability is 24 hours.					
	Keep tube tightly capped f					
Sample Rejection	- Mislabeled/unlabeled specimen					
	- Specimen quantity not sufficient for testing (QNS)					
	- Specimen contains fibrin or clots.					
	- Excessive platelet clumping					
	- Substandard mixing or collection					
Requisition	SNPHL Request Forms	• • • • • • • • • • • • • • • • • • •				
requisition	SWITE REQUESTIONS					
T A	24.40.11					
Turn Around Time	24-48 Hours					
Results	Reference Range:					
	Adult:					
	Parameter	Males (21-99)	Females (21-99)	Units		
	WBC	3.18-12.74	2.74-10.9	x103/mcL		
	RBC HGB	4.08-5.80 12.3-17.2	3.62-5.76 10.7-16.7	X106/mcL gm/dL		
	HCT	37-52	33-50	%		
	MCV	83.0-97.0	79.4-99.5	fL		
	MCH	27.3-32.4	24.8-33.8	Pg		
	MCHC	31.3-35.1	30.6-34.9	gm/dL		
	RDW-CV RDW-SD	11.4-14.7 35.3-50.7	11.0-15.1 37.6-47.5	% fL		
	IPF	1.23-8.70	Same as Males	%		
	PLT	140-400	Same as Males	x103/mcL		
	MPV	7.2-12.6	Same as Males	fL		
	NRBC%	0.0-0.2	Same as Males	/100WBC		
	NRBC# RETIC %	0.0-0.01 0.51-1.81	Same as Males 0.50-1.70	x103/mcL %		
	RETIC ABS	2.60-9.50	1.64-7.76	104/mcL		
	IRF	0.0-3.4	0.0-3.5	%		
Reported	System generated fax; Elec	tronic transmission		1		
 Limitations		Specimens must be free of clots and fibrin strands.				
Limitations	Severely hemolyzed samples (<i>in vitro</i>) falsely decrease RBC and hematocrit.					
	Severely hemoryzed sam		y decrease RDC and	momatoetti.		
Contact	Southern Nevada Public He	ealth Laboratory – Clini	ical Laboratory Departn	nent		
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