## Southern Nevada Public Health Laboratory TEST MENU

**Complete Blood Count with Automated Differential (CBC w/ Diff)** 

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Method		Sysmex® XN-2000 multi-parameter automated hematology analyzer - the							
	hydrodyna	hydrodynamic focusing (DC Detection), flow cytometry method (semiconductor laser)							
	and SLS-h	and SLS-hemoglobin method.							
CPT Code	85025								
Specimen	Whole bloo	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 rocking								
	may alter white cell membranes, resulting in false interpretive messages.								
Transport		Store and transport refrigerated (2-8°C) within 48 hours							
	Room temperature stability is 24 hours.								
	Keep tube tightly capped for storage.								
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							
Turn Around Time		24-48 Hours							
Results	Reference Range:								
	Adult:	37.1	T P 1			) ( 1	F 1		
	Parameter	Males (21-99)	Females (21-99)	Units	Parameter	Males (21-99)	Females (21-99)	Units	
	WBC	3.18-12.74	2.74-10.9	x103/mcL	NEUT#	0.9-8.7	1.3-7.3	103/mcL	
	RBC	4.08-5.80	3.62-5.76	X106/mcL	LYMPH#	0.7-3.8	0.8-3.6	103/mcL	
	HGB HCT	12.3-17.2 37-52	10.7-16.7 33-50	gm/dL %	MONO# EO#	0.1-1.1	0.2-0.8 0.0-0.3	103/mcL 103/mcL	
	MCV	83.0-97.0	79.4-99.5	fL	BASO#	0.0-0.4	Same as Males	103/mcL	
	МСН	27.3-32.4	24.8-33.8		IG#(>10Y	0.00-	Same as Males	103/mcL	
		31.3-35.1	30.6-34.9	Pg	O) IG#(<9Y	0.07			
	MCHC			gm/dL	0)	0.04	Same as Males	103/mcL	
	RDW-CV	11.4-14.7	11.0-15.1	0/	IG%(>10	0.0.00	G M 1	0/	
		35.3-50.7	37.6-47.5	%	YO) IG%(<9Y	0.0-0.08	Same as Males	%	
	RDW-SD			fL	O)	0.0-0.3	Same as Males	%	
	IPF	1.23-8.70	Same as Males	%	BANDS%	0-9	Same as Males	%	
	PLT	140-400	Same as Males	x103/mcL					
	MPV NRBC%	7.2-12.6 0.0-0.2	Same as Males Same as Males	fL /100WBC	-				
	NRBC#	0.0-0.01	Same as Males	x103/mcL					
	RETIC %	0.51-1.81	0.50-1.70	%	4				
	RETIC ABS IRF	2.60-9.50 0.0-3.4	1.64-7.76 0.0-3.5	104/mcL %	+				
	11/1		•		1				
Reported	System gen	ierated tav:	Flectronic tran						
Reported	System gen				dc				
Reported Limitations	Specimens	must be fre	ee of clots and	fibrin stran		and ham	natocrit		
	Specimens Severely he	must be free molyzed sa		fibrin strand ) falsely ded	crease RBC				