

Southern Nevada Public Health Laboratory
TEST MENU

Hemoglobin & Hematocrit (H&H)

Method	Sysmex® XN-2000 multi-parameter automated hematology analyzer - the hydrodynamic focusing (DC Detection), flow cytometry method (semiconductor laser), and SLS-hemoglobin method.												
CPT Code	85014, 85018												
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 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) <table><tr><td></td><td>Males (21-99)</td><td>Females (21-99)</td><td>Units</td></tr><tr><td>HGB</td><td>12.3-17.2</td><td>10.7-16.7</td><td>gm/dL</td></tr><tr><td>HCT</td><td>37-52</td><td>33-50</td><td>%</td></tr></table>		Males (21-99)	Females (21-99)	Units	HGB	12.3-17.2	10.7-16.7	gm/dL	HCT	37-52	33-50	%
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HGB	12.3-17.2	10.7-16.7	gm/dL										
HCT	37-52	33-50	%										
Reported	System generated fax; Electronic transmission												
Limitations	Specimens must be free of clots and fibrin strands. Severely hemolyzed samples (<i>in vitro</i>) falsely decrease RBC and hematocrit.												
Contact	Southern Nevada Public Health Laboratory – Clinical Laboratory Department												