

Hypocellular Differential Reporting Change

Effective 2/13/23, there will be a change in the way peripheral blood and body fluid differentials are reported in hypocellular specimens, when there are less than 50 cells available to count. We will no longer be reporting out the percentage of cell types or absolute counts, as the accuracy and reliability of the differential is low. A comment will be entered that states the number of cells counted and the cells that are present. The charge for the differential will be credited.

Affected Tests	Epic Code	Atlas Code	Mayo Access ID
*Differential Blood Count, Manual	N/A	N/A	N/A
Cell Count, CSF	LAB212	CCT	N/A
Fluid Cell Count	LAB209	FCT	FAH5145
Synovial Cell Count	LAB211	SYNCT	N/A
<i>*Not orderable as a stand-alone test. Lab use only.</i>			

Sample Reports for Differential Blood Count, Manual and Cell Count, CSF:

Differential, Manual (Final result)

Component	Value	Ref. Range	Units
% Neutrophils			
Absolute Neutrophils			
Differential Comment			
Specimen is hypocellular with only 37 cells counted. Cells include neutrophils, lymphocytes and monocytes.			
Resulting Lab: UVMCC LAB			

The screenshot displays a 'ROUTINE HEMATOLOGY' panel with the following values:

WBC	0.35	0.35
RBC	3.00	3.00
Hemoglobin	9.0	9.0
HCT	27.0	27.0
MCV	85	85
MCH	31.2	31.2
MCHC	33.4	33.5
RDW-CV	13.5	13.5
RDW-SD	42.5	42.7
PLT	200	200
MPV	10.5	10.5
% Neutrophils		See Comment
ABS Neutrophils		See Comment
Type of Diff.	Manual	Manual
Differential Comment	Specimen is...	

The 'Differential Comment' popup shows the following text:

Differential Comment
 1/23/2023 16:38 (Collected)
 Specimen is hypocellular with only 37 cells counted. Cells include neutrophils.
 Resulting Lab: UVM MEDICAL CENTER LABORATORY SERVICES

(Continued)

PATHOLOGY & LABORATORY MEDICINE

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Hypocellular Differential Reporting Change

CELL COUNT, CSF

CSF Manual Differential (Final result)

Component	Value	Ref. Range	Units
Comment, CSF	Specimen is hypocellular with only 7 cells counted. Cells include lymphocytes and monocytes.		

Resulting Lab: UVMCC LAB

Fluid specimen 23UV-023H0609 from Fluid, Cerebrospinal Fluid. Instrument ID: 22439158. Ordered by Test, Lab at UVM Medical Center Pathology & Laboratory Medicine - Main Campus. Authorized by Test, Lab. Collected: 1/23/2023 1358 Received: 1/23/2023 1358. Reported: 1/23/2023 1402. Resulted by UVMCC LAB.

Cell Count, CSF (Final result)

Component	Value	Ref. Range	Units
RBC, CSF	5		/cmm
Nucleated Cells, CSF	1	0-5	/cmm
Total Volume CSF	4.0		ml
Tube Cntd.	4		
Comment, CSF	Clear and colorless		

The screenshot shows a table with columns for dates and times. The table contains data for 'CELL COUNT, CSF' with values for Nucleated Cells (1), RBC, CSF (5), and Tube Cntd. (4). A pop-up window titled 'CSF Comment' is overlaid on the table, displaying the text: 'See Comment Resulting Lab: UVM MEDICAL CENTER LABORATORY SERVICES Specimen is hypocellular with only 7 cells counted. Cells include lymphocytes and monocytes.' Below the comment, there is a 'Related Results' section with a table showing values for RBC, CSF, Nucleated Cells, Total Vol., Tube Cntd., CSF Comment, and Tube Vol.

Component	Value	Ref. Range	Units
RBC, CSF	5		/cmm
Nucleated Cells	1	0 - 5	/cmm
Total Vol.	4.0		ml
Tube Cntd.	4		
CSF Comment	See Comment		
Tube Vol.	1.0		ml

For questions or concerns, please contact the UVMCC Medical Director of Hematology, Dr. Joanna Conant, at Joanna.Conant@uvmhealth.org.

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