

Hematology Testing Update

Effective October 17, 2022

Body Fluid and CSF Cell Count and Differential Testing Updates

Effective Oct 17, 2022 Wisconsin Diagnostic Laboratories (WDL) and Froedtert Health Laboratories will transition to reporting Total Nucleated Cell Count (TNC) instead of White Blood Cell Count (WBC) in body fluid and CSF cell count analysis. This change reflects a more accurate reporting of the presence of nucleated cells.

The reference ranges for CSF TNC count will remain the same as CSF WBC. There is no Reference Range established for TNC for Body fluid analysis.

New differential result reporting will be as follows:

Body Fluid Differential

Current Reporting	New Report
Fluid Mesothelial Cells	Fluid Lining Cells* Fluid Squamous Epithelial Cells Fluid Bronchial Lining Cells

*Fluid Lining Cells now encompasses the reporting of Fluid Mesothelial Cells in serous fluids, and Synovial Lining Cells in Synovial Fluid. Synovial and Bronchial Lining cells were previously reported as present in a result comment.

CSF Differential

New Report
CSF Lining Cells

For Technical Assistance and Questions, please contact Wisconsin Diagnostic Laboratories Hematology department:

- Alexandra Harrington, MD, MLS(ASCP), Medical Director, Hematology and Coagulation, WDL, 414-805-6703, aharrington@mcw.edu
- Maria Hintzke, MD, Associate Medical Director, Hematology, WDL, 414-805-4562, mhintzke@mcw.edu
- Nathaniel Kieler, MD, Pathology and Laboratory- Medical Director, Holy Family Memorial, 920-320-2007, nathaniel.kieler@froedtert.com

