

Laboratory Bulletin

Date: September 26, 2013

To: South Zone East

Physicians, Nurses, Laboratory Directors and Managers

From: AHS Laboratory Services – South Zone East

Re: Change to Reporting of Body Fluid Cell Counts

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Messages:

- Effective October 1, 2013, body fluid red blood cell (RBC) and white blood cell (WBC) counts will be reported as cells x10*6/L instead of the current cells x10*9/L.
- This change applies to the following fluids:

➤ Cerebrospinal fluid (CSF) ➤ Pleural

➤ Synovial ➤ Peritoneal (Ascites)

> Pericardial

• Peripheral blood cell (CBC) counts and differentials are excluded from this reporting change.

Fluid WBC count results will also include	
reference ranges:	
Fluid:	Fluid WBC Reference Range:
CSF	Adults: 0-4 x 10*6/L
	Neonates: 0-19 x 10*6/L
	Viral or Early Bacterial Meningitis:100-
	1000 x 10*6/L
	Typical Bacterial Meningitis: >1000 x
	10*6/L
Synovial	Normal Range: 0-199 x 10*6/L
	Non-inflammatory: 200-2000 x 10*6/L
	Inflammatory: 2000-100,000 x 10*6/L
	Septic: >50,000 x 10*6/L
Pericardial,	Transudate: <1000 x 10*6/L
Peritoneal,	Exudate: >1000 x 10*6/L
Pleural	Spontaneous Bacterial Peritonitis: >500
	x 10*6/L

Why this is important:

- Reporting units of cell x10*6/L will better match reporting units of fluid cell counts in texts/literature.
- cells x10*6/L is equivalent to cells/uL or cells/mm³.
- Cell counts will no longer be reported to three (3) decimal places eliminating the potential for the decimal place to be mistaken for a comma. eg. A cell count previously reported as 45.000 x 10*9/L will report as 45,000 x 10*6/L.
- Body fluid cell count reporting units will be standardized across the South Zone.
- Reference ranges will inform the clinician of expected values for better diagnosis and treatment.

Action Required:

 Take note of reporting units and reference ranges when interpreting body fluid cell count and differential results.

Inquiries and feedback may be directed to:

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This bulletin has been reviewed and approved by:

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