

LAB212 Cell Count with Reflex WBC Differential, CSF

BMC

Specimen Type

Cerebrospinal Fluid

Preferred Container

Reference Cerebrospinal Fluid Panels for Recommend Collection Tube

NOTE: If CSF is grossly bloody, may be collected in EDTA tube to prevent clotting.

Minimum Volume to Submit for Testing

1.0 mL CSF

Multiple test can be performed from this volume.

For question please contact the lab at 547-3975.

Storage Requirements

Room Temperature up to 4 hours

Transportation Needs

Deliver to the laboratory IMMEDIATELY for analysis.

A delay in transportation may result in unreliable test results.

Maintain at room temperature

Causes for Rejection

Mislabeled or unlabeled specimen

Clotted sample (bloody specimen) – Cytospin differential only will be performed

Insufficient sample for analysis

Improper container

> 4 hours at room temperature

Reference Values

Appearance/Cell Count Reference Ranges			
Parameter	Units	Reference Range	
Appearance	None	Clear	
Color	None	Colorless	
Xanthochromia	None	Not Present	
RBC Count	# cells/uL	0 - 20	
WBC Count	# cells/uL	CSF WBC Count Reference Range	
		Group	Critical Value
		Infant < 12 months:	23 cells/uL
		Child 1-17 year:	8 cells/uL
		Adults >18 year:	10 cells/uL

WBC Differential Reference Ranges			
Differential Parameter	Units	0-1 Year	>1 Year
% Neutrophils	% per 100 WBC's	0.0-0.8%	0.0- 6.0%
% Lymphocytes	% per 100 WBC's	5.0-35.0%	40.0-80.0%
% Monocytes	% per 100 WBC's	50.0-90.0%	15.0-45.0%
% Histiocytes	% per 100 WBC's	0.0-9.0%	Rare
% Neuroectodermal cells	% per 100 WBC's		Rare

Includes

Manual enumeration of WBC's and RBC's and differential cell count (percentage of each cell identified) from a cytocentrifuged, stained slide preparation when WBC \geq 6 cells/uL.

Available STAT

Yes

Methodology

Manual cell count using hemocytometer

Slide prepared using cytocentrifugation and Wright-Giemsa stain

Microscopic examination of stained smear

CPT Code

89051