

# GLUCOSE, CSF

## Orderable - GLUCSF

Turn Around Time: 4 hours

STAT: 1 hour

### Specimen:

CSF

### Collection Information:

A minimum volume of 2 mL of CSF is required.

CSF must NOT be collected into any anticoagulant container.

### Reference Ranges:

2.2-3.9 mmol/L

### Interpretive Comments:

Useful in investigation of possible central nervous system (CNS) infection. It may be helpful in differentiating bacterial from viral etiology.

Result should be compared with simultaneous blood glucose.  
CSF glucose levels are normally about 60% of blood glucose levels.  
Normal reference range of 2.2-3.9 mmol/L applies to CSF glucose when blood glucose is normal.

Low values with normoglycemia may indicate bacterial meningitis or tuberculous disease.

### Storage and Shipment:

Handle specimens in stoppered containers to avoid contamination and evaporation.

CSF specimens should be processed without delay; they may contain cellular constituents, as well as organisms, that lower the concentration of glucose with time.



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Enzymatic rate



**Test Schedule:**  
As required