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**Lab Dept:** Other Fluids

**Test Name:** PROTEIN, CSF

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***General Information***

**Lab Order Codes:** CTP

**Synonyms:** Protein Spinal Fluid; CSF Protein

**CPT Codes:** 84155 – Protein; total, except refractometry

**Test Includes:** CSF protein in mg/dL

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***Logistics***

**Test Indications:** Useful for the evaluation of central nervous system disease.

**Lab Testing Sections:** Chemistry

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 4 hours

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** CSF

**Container:** Screw capped, sterile vial

**Draw Volume:** 0.6 mL fluid

**Processed Volume:** 0.2 mL fluid, spun

**Collection:** Maintain sterility and forward promptly at ambient temperature only

**Special Processing:** N/A

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens; clotted specimens

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**Interpretive****Reference Range:**

0 – 2 days:	40 - 120 mg/dL
2 days - 1 month:	20 - 80 mg/dL
>1 month:	15 - 40 mg/dL

**Critical Values:**

>150 mg/dL

**Limitations:**

Samples containing amakacin, gentamicin, kanamycin, tobramycin, neomycin, or sulfates falsely increase protein results.

**Methodology:**

Benzethonium chloride

**References:**

Abbott Alinity Urine/CSF Protein Reagent Instructions for Use, Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA. March 2018

Abbott Alinity Urine/CSF Protein Calibrator Instructions for Use, Abbott Laboratories Diagnostics Division, Abbott Park, IL, 60064, USA. May 2018

Jacobs & DeMott Laboratory Test Handbook(2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition, 2001

Bio-Rad Liquichek Spinal Fluid Control Product insert, Bio-Rad Laboratories, Irvine, CA 92618

Bio-Rad Liquichek Urine Chemistry Control Product insert, Bio-Rad Laboratories, Irvine, CA 92618

**Updates:**

2/17/2005: Critical value previously listed as 100 mg/dL

9/17/2014: Updated references

11/24/2020: Updated for method Abbott Alinity, removed method Siemens Vista