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**Lab Dept:** Other Fluids

**Test Name:** HCG BETA SUBUNIT, CSF

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***General Information***

**Lab Order Codes:** BHCC

**Synonyms:** Chorionic Gonadotropin, Beta-Subunit (Quantitative), CSF

**CPT Codes:** 84702 – Gonadotropin, chorionic; quantitative

**Test Includes:** HCG Beta subunit, CSF concentration reported in IU/L.

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***Logistics***

**Test Indications:** Measurement of human chorionic gonadotropin (hCG) in spinal fluid facilitates diagnosis of brain metastases of testicular cancer or extragonadal intracerebral germ cell tumors.

**Lab Testing Sections:** Chemistry - Sendouts

**Referred to:** Mayo Medical Laboratories (Test: BHSF)

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** Monday – Saturday, 1 - 3 days

**Special Instructions:** See [Patient Preparation](#)

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***Specimen***

**Specimen Type:** CSF

**Container:** Screw capped, sterile vial

**Draw Volume:** 1 mL (Minimum: 0.75 mL) CSF

**Processed Volume:** Same as Draw Volume

**Collection:** Routine spinal fluid collection

<b>Special Processing:</b>	Lab Staff: Refrigerate CSF aliquot. Send specimen refrigerated. (Note: Refrigerated samples are stable for 28 days.) Forward promptly.
<b>Patient Preparation:</b>	Twelve hours before this test, do not take multivitamins or dietary supplements containing biotin or vitamin B7 that are commonly found in hair, skin and nail supplements and multivitamins.
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens; gross hemolysis

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### ***Interpretive***

<b>Reference Range:</b>	<1.0 IU/L
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Electrochemiluminescent Immunoassay
<b>References:</b>	<a href="#">Mayo Medical Laboratories</a> January 2018
<b>Updates:</b>	4/28/2015: Method update, previously listed as Immunometric Assay 1/23/2018: Updated reference range 8/18/2020: Collection volume update per Mayo.