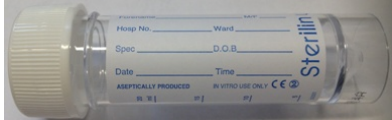


Beta-2 Transferrin

Synonyms	Asialotransferrin, Tau transferrin, BTP N.B. The terminology tau transferrin/protein is discouraged as there may be confusion with an unrelated neuronal microtubule associated protein (also called tau protein) found in CSF and used as a biomarker for dementia and neurodegeneration.
Clinical Indication	This test is an aid in the differential diagnosis for CSF otorrhea or CSF rhinorrhea. Beta-2 transferrin is not detected in normal serum, tears, saliva, sputum, nasal, aural fluid, or endolymph by this method. Beta-2-transferrin is a desialylated form of the protein transferrin, which is almost exclusively found in CSF.
Part of Profile / See Also	
Request Form	Combined Pathology manual Blood form or ICE request
Availability / Frequency of Analysis	Referral test: Analysed by Neuroimmunology, National Hospital 8116 , if specific criteria met.
Turnaround Time	3 weeks
Patient Preparation	
Sample Requirements	
Specimen Type	CSF/suspected CSF nasal fluid
Volume	Minimum 250uL
Container	 <p>White top (plain) universal - MUST be labelled with source of fluid</p>
Reference Range & Units	Beta-2 transferrin of less than 1.3mg/L is a negative result, indicating that the sample is very unlikely to contain CSF.
Interferences	Haemolysis, very viscous fluid, Beta-2 transferrin is also found in aqueous humor, patients with severe renal disease may have raised serum levels of beta-2 transferrin.
Interpretation & Clinical Decision Value (if applicable)	Intermediate Beta-2 transferrin suggests a possible CSF leak. BTP is present in high levels in CSF and at a much lower level in serum. Raised positive BTP indicated the sample is very likely to contain CSF, however patients with severe renal disease may also have raised levels of BTP.
References	Up to Date – Evaluation and management of middle ear trauma (Searched Sept 2018)

<https://www.mayomedicallaboratories.com/test-catalog/Clinical+and+Interpretive/80351>

Neuroimmunology User Handbook, National Hospital.

Test code

CTAU

Lab Handling

Store primary sample at 4°C in referrals rack. Samples sent daily by Global courier to the National Hospital, London.



8116
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ISO 15189:2012