

Patient Name : Mr MR.DUMMY	Sample Collected : Apr 26, 2024, 01:00 PM.
DOB/Age/Gender : 23 Y/Male	Report Date : May 09, 2024,10:47 AM.
Patient ID / UHID : 8052714/RCL7249252	Barcode No : ZC667303
Referred By : Dr. X	Report Status : Final Report
Sample Type : CSF	

CSF Index

CSF Index (CSF and serum)

IgG, CSF (CSF,Immunoturbidimetry)	13.3	mg/dL	1-3.0
---	------	-------	-------

Interpretation note :

Local immune reactions with the central nervous system result in elevated immunoglobulin levels, particularly IgG, in the cerebrospinal fluid. Elevated synthesis of IgG in central nervous system aids in diagnosis of inflammation and autoimmune disease in CNS eg.Multiple sclerosis

IgG Total (Serum,Immunoturbidimetry)	1760	mg/dL	700-1600
--	------	-------	----------

Interpretation :

- Decreased levels are seen in primary immunodeficiency conditions and in secondary immune insufficiencies like advanced malignant tumours, lymphatic leukemias, multiple myeloma and Waldenstrom`s disease.
- Increased concentrations occur due to polyclonal or oligoclonal immunoglobulin proliferations seen in hepatic disease, acute/chronic infections and autoimmune disease.

Albumin, CSF (CSF,Immunoturbidimetry)	16.8	mg/dL	11-35
Albumin (Serum,Bromocresol green)	4.54	g/dL	3.5-5.2
Albumin Index (Calculated)	3.70		0.0-9.0
IgG-Albumin Ratio (CSF)	0.790		0.09-0.25
CSF IgG Index (Calculated)	2.040	Index	0.28-0.66

Interpretation :

Cerebrospinal Fluid (CSF) IgG Index

- Elevation of IgG levels in the cerebrospinal fluid (CSF) is seen in patients with inflammatory diseases of the central nervous system (multiple sclerosis [MS], neurosyphilis, acute inflammatory polyradiculoneuropathy, subacute sclerosing panencephalitis) due to intrathecal synthesis of IgG.
- Diagnostic laboratory tests for MS are CSF index and oligoclonal banding. The CSF index is the CSF IgG to CSF albumin ratio compared to the serum IgG to serum albumin ratio. The CSF index is, therefore, an indicator of the relative amount of CSF IgG compared to serum. Any increase in the index is a reflection of IgG production in the CNS. The index is independent of the activity of the demyelinating process.
- The IgG synthesis rate is a mathematical extrapolation from the CSF index data and used as a marker for CNS inflammatory diseases.
- Cerebrospinal Fluid (CSF) IgG index is elevated in approximately 80% of patients with multiple sclerosis (MS). The use of CSF index plus oligoclonal banding has been reported to increase the sensitivity to over 90%.

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.

Dr. Dummy



Booking Centre :- DEMO PARTNER CHENNAI, DEMO PARTNER CHENNAI
Processing Lab :-

928-909-0609

ccsupport@redcliffelabs.com

www.redcliffelabs.com

All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

Terms and Conditions of Reporting

1. The presented findings in the Reports are intended solely for informational and interpretational purposes by the referring physician or other qualified medical professionals possessing a comprehensive understanding of reporting units, reference ranges, and technological limitations. The laboratory shall not be held liable for any interpretation or misinterpretation of the results, nor for any consequential or incidental damages arising from such interpretation.
2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.
3. It is to be noted that variations in results may occur between different laboratories and over time, even for the same parameter for the same Customer. The assays are performed and conducted in accordance with standard procedures, and the reported outcomes are contingent on the specific individual assay methods and equipment(s) used, as well as the quality of the received specimen.
4. This report shall not be deemed valid or admissible for any medico-legal purposes.
5. The Customers assume full responsibility for apprising the Company of any factors that may impact the test finding. These factors, among others, includes dietary intake, alcohol, or medication / drug(s) consumption, or fasting. This list of factors is only representative and not exhaustive.

DISCLAIMER

This is a sample report provided for demonstration purposes only and does not represent an actual patient report. Test results, reference ranges, methodologies, instrumentation, and report formats may vary depending on the laboratory performing the test. The format and representation shown are indicative of reports generated by the National Reference Laboratory of Redcliffe Labs, Noida. This sample report should not be used for medical interpretation, diagnosis, or treatment decisions.