
Lab Dept: Other Fluids

Test Name: IGG INDEX, CSF

General Information

Lab Order Codes: IGGI

Synonyms: Cerebrospinal Fluid (CSF) IgG Index

CPT Codes: 82040 – albumin, serum
82042 – albumin, urine or other source, quantitative
82784 x2 – gammaglobulin; IgG, each

Test Includes: IgG synthesis rate CSF. Both CSF and serum are required for this test.

Logistics

Test Indications: The CSF index is useful in the diagnosis of individuals with multiple sclerosis.

The index is independent of activity of the demyelinating process

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Medical Laboratories (Test: 8009/SFIN)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 - 3 days, test set up Monday - Saturday

Special Instructions: N/A

Specimen

Specimen Type: Both serum and spinal fluid are required for this test and must be obtained within 1 week of each other

Container: Blood: Red top tube

CSF: Screw capped, sterile vial

Draw Volume: 3 mL blood
1 mL CSF

Processed Volume: 1 mL (Minimum: 0.5 mL) serum and 1 mL (Minimum: 0.5 mL) spinal fluid

Collection: Routine venipuncture and spinal fluid collection

Special Processing: Lab Staff: Centrifuge blood specimen, remove serum aliquot and refrigerate in a plastic screw-top vial. Aliquot CSF into a plastic screw-top vial and refrigerate. Label specimen source appropriately on each tube. Send at refrigerated temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: N/A

Interpretive

Reference Range:

CSF index:	0.00 - 0.85
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CSF IgG:	0.00 - 8.1 mg/dL
CSF albumin:	0.0 - 27.0 mg/dL
Serum IgG:	
0 – 4 months	100 – 334 mg/dL
5 – 8 months	164 – 588 mg/dL
9 – 14 months	246 – 904 mg/dL
15 – 23 months	313 – 1170 mg/dL
2 – 3 years	295 – 1156 mg/dL
4 – 6 years	386 – 1470 mg/dL
7 – 9 years	462 – 1682 mg/dL
10 – 12 years	503 – 1719 mg/dL
13 – 15 years	509– 1580 mg/dL
16 – 17 years	487 – 1327 mg/dL
>or = 18 years	767 – 1590 mg/dL
Serum albumin:	3200 - 4800 mg/dL
CSF IgG/albumin:	≤0.21 mg/dL
Serum IgG/albumin:	≤0.4 mg/dL
CSF IgG synthesis rate:	≤12 mg/24 hours

Critical Values:

N/A

Limitations:

The CSF index can be elevated in other inflammatory demyelinating diseases such as neurosyphilis , acute inflammatory polyradiculoneuropathy, and subacute sclerosing panencephalitis.

Methodology:

Nephelometry

References:

[Mayo Medical Laboratories Web Page](#) June 2013

