

## Cerebrospinal Fluid (CSF) IgG Index Profile, Serum and Spinal Fluid

**Test ID:** SFIG

**Useful for:**

Aiding in the diagnosis of multiple sclerosis and other central nervous system inflammatory conditions

**Profile Tests:**

Test ID	Reporting Name	Available Separately	Always Performed
SFINC	IgG Index, CSF	No	Yes
SFIGS	IgG, S	No	Yes
ALBS1	Albumin, S	Yes (order ALB)	Yes

**Methods:**

SFINC, SFIGS: Nephelometry

ALBS1: Photometric

**Reference Values:**

CSF index: 0.00-0.85

CSF IgG: 0.0-8.1 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: 313-1,170 mg/dL

2-3 years: 295-1,156 mg/dL

4-6 years: 386-1,470 mg/dL

7-9 years: 462-1,682 mg/dL

10-12 years: 503-1,719 mg/dL

13-15 years: 509-1,580 mg/dL

16-17 years: 487-1,327 mg/dL

> or =18 years: 767-1,590 mg/dL

Serum albumin

> or =12 months: 3,500-5,000 mg/dL

Reference values have not been established for patients who are <12 months of age.

CSF IgG/albumin: 0.00-0.21

Serum IgG/albumin: 0.0-0.4

CSF IgG synthesis rate: 0-12 mg/24 hours

## Specimen Requirements:

**Both serum and spinal fluid are required. Spinal fluid must be obtained within 7 days of serum collection.**

**2 individual serum samples are required.**

### Container/Tube:

**Preferred:** Serum gel

**Acceptable:** Red top

**Specimen Volume:** 2 mL in 2 plastic vials, each containing 1 mL

**Minimum Volume:** Serum 1 mL in 2 plastic vials, each containing 0.5 mL

**Collection Instructions:** Centrifuge and aliquot serum within 2 hours of collection.

**Specimen Type:** Spinal fluid

**Container/Tube:** Sterile vial

**Specimen Volume:** 1 mL

**Minimum Volume:** Spinal fluid: 0.5 mL

**Collection Instructions:** Label specimen as SFINC.

## Specimen Stability Information:

Specimen Type	Temperature	Time
CSF	Refrigerated (preferred)	28 days
	Ambient	14 days
	Frozen	28 days
Serum	Refrigerated (preferred)	14 days
	Ambient	7 days
	Frozen	28 days

## Cautions:

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

**CPT Code:**

82040

82042

82784 x 2

**Day(s) Setup:** Monday through Friday**Analytic Time:** Same day/1 day**Questions**

Contact Amy Ennis or Michelle Raths, Laboratory Technologist Resource Coordinator at 800-533-1710.