
Lab Dept: Chemistry

Test Name: IGA, SUBCLASSES

General Information

Lab Order Codes: IGAS

Synonyms: IgA Subclasses 1 and 2; IGA1 and IGA2

CPT Codes: 82784 – Gammaglobulin; IgA, IgD, IgG, IgM, each
82787 x2 – Immunoglobulin subclasses

Test Includes: IgA total, IgA subclass 1, IgA subclass 2 reported in mg/dL.

Logistics

Test Indications: Evaluate humoral immunity; monitor therapy in IgA myeloma. Selective IgA deficiency has an increased association with allergies, recurrent sinopulmonary infection, autoimmune disease.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: IGAS)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 - 8 days, performed Monday - Thursday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Red, marble or gold top tube

Draw Volume: 3 mL (Minimum: 1.5 mL) blood

Processed Volume: 1 mL (Minimum: 0.5 mL) serum

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

Interpretive

Reference Range:

IgA Subclasses:			
Age	IgA1 (mg/dL)	IgA2 (mg/dL)	Total IgA (mg/dL)
0 – 2 years:	18 - 63	3 - 19	25 - 75
3 – 6 years:	25 - 126	2 - 31	31 - 153
7 – 12 yrs:	49 - 183	3 – 43	56 - 232
>12 yrs:	54 - 296	10 - 96	79 - 399

Serum IgA is comprised of 80–90% IgA1 and 10–20% IgA2. Deficiencies in either subclass have been associated with anaphylactic transfusion reactions. Decreased IgA1 levels have been reported in patients with *Haemophilus influenzae* infection, whereas decreased IgA2 levels have been reported in patients with sinopulmonary infections.

Critical Values: N/A

Limitations: N/A

Methodology: Nephelometry

References: [Mayo Medical Laboratories Web Page](#) (January 2013)

Updates:
3/25/2004: Test moved from Specialty Laboratories to Mayo Medical Laboratories forward to Focus Technologies, Inc. Note: Change in methodology from Nephelometry to RID and change in reference ranges.
7/3/2006: New reference ranges implemented for new nephelometry method at Focus. Previous method, RID.
2/18/13: Test now performed internally at MML.
2/8/2016: Update tube types