

HOTLINE: Effective February 16, 2021

0050577 Immunoglobulin G Subclasses (1, 2, 3, 4)

IGG SUB

Methodology: Quantitative **Immunoturbidimetry**
Performed: Sun-Sat
Reported: 1-3 days

Specimen Required: Collect: Serum separator tube.

Specimen Preparation: Separate serum from cells ASAP or within 2 hours of collection. Transfer 2 mL serum to an ARUP Standard Transport Tube. (Min: 1 mL)

Storage/Transport Temperature: Refrigerated.

Unacceptable Conditions: **Grossly hemolyzed or lipemic specimens**

Stability (collection to initiation of testing): After separation from cells: Ambient: **Unacceptable**; Refrigerated: 14 days; Frozen: 6 months

Reference Interval:

Test Number	Components	Reference Interval
0050571	Immunoglobulin G Subclass 1	Effective February 16, 2021 0-2 years: 167-900 mg/dL 3-4 years: 313-941 mg/dL 5-9 years: 363-1276 mg/dL 10-14 years: 316-1076 mg/dL 15-18 years: 325-894 mg/dL 19 years and older: 240-1118 mg/dL
0050572	Immunoglobulin G Subclass 2	Effective February 16, 2021 0-2 years: 55-359 mg/dL 3-4 years: 72-287 mg/dL 5-9 years: 27-398 mg/dL 10-14 years: 86-509 mg/dL 15-18 years: 156-625 mg/dL 19 years and older: 124-549 mg/dL
0050573	Immunoglobulin G Subclass 3	Effective February 16, 2021 0-2 years: 34-85 mg/dL 3-4 years: 25-117 mg/dL 5-9 years: 17-169 mg/dL 10-14 years: 14-201 mg/dL 15-18 years: 34-246 mg/dL 19 years and older: 21-134 mg/dL
0050576	Immunoglobulin G Subclass 4	Effective February 16, 2021 0-2 years: 1-34 mg/dL 3-4 years: 1-65 mg/dL 5-9 years: 0-168 mg/dL 10-14 years: 1-103 mg/dL 15-18 years: 2-170 mg/dL 19 years and older: 1-123 mg/dL

Interpretive Data:

The total IgG (mg/dL) can be derived from the sum of the subclass IgG1, IgG2, IgG3, and IgG4 values. However, a confirmatory and more precise total IgG is available by the **immunoturbidimetric** method of quantitation for total IgG. Refer to test Immunoglobulin G, Serum (0050350).