

# Immunoglobulins

## Synonyms

## Clinical Indication

- Suspicion of myeloma or other B cell dyscrasias
- Suspicion of primary and secondary immunodeficiency
- Investigation of high serum globulin level or raised ESR

## Part of Profile / See Also

IgA, IgG, and IgM

## Request Form

Combined Pathology manual Blood form or ICE request

## Availability / Frequency of Analysis

On request

## Turnaround Time

Two days.

Please note: The reference ranges for paediatric patients are, in some cases, below that of the limit of detection of our in-house assay. In these cases the sample will be referred for analysis to another laboratory and this will be indicated on the report. This may take up to 2 weeks to obtain a result.

## Patient Preparation

None required

## Sample Requirements

### Specimen Type

Serum

### Volume

2 ml

### Container



Yellow top (SST) tube.

## Reference Range & Units

Age	IgG (g/L)	IgA (g/L)	IgM (g/L)
0 - 2 weeks	5.0 - 17.0	0.01 - 0.08	0.05 - 0.20
2 - 6 weeks	3.9 - 13.0	0.02 - 0.15	0.08 - 0.40
6 - 12 weeks	2.1 - 7.7	0.05 - 0.40	0.15 - 0.70
3 - 6 months	2.4 - 8.8	0.10 - 0.50	0.20 - 1.00
6 - 9 months	3.0 - 9.0	0.15 - 0.70	0.40 - 1.60
9 - 12 months	3.0 - 10.9	0.20 - 0.70	0.60 - 2.10
1 - 2 years	3.1 - 13.8	0.30 - 1.20	0.50 - 2.20
2 - 3 years	3.7 - 15.8	0.30 - 1.30	0.50 - 2.20
3 - 6 years	4.9 - 16.1	0.40 - 2.00	0.50 - 2.00
6 - 9 years	5.4 - 16.1	0.50 - 2.40	0.50 - 1.80
9 - 12 years	5.4 - 16.1	0.70 - 2.50	0.50 - 1.80
12 - 15 years	5.4 - 16.1	0.80 - 2.80	0.50 - 1.90
15 - 45 years	6.0 - 16.0	0.80 - 2.80	0.50 - 1.90
Over 45 years	6.0 - 16.0	0.80 - 4.00	0.50 - 2.00

Reference; Protein Reference Unit Handbook, 9th Edition 2007

**Interferences**

None

**Interpretation & Clinical**

**Decision Value (if applicable)**

Immunoglobulin results are all clinically authorised and additional investigations may be carried out.

**References**

**Test code**

IGS

**Lab Handling**

Analysed from primary tube and stored at 4°C.

