



TOTAL IMMUNOGLOBULINS - Test Code 1021



Turnaround Time: 2 business days



Specimen Type: 1x SST
Blood

Description

Immunoglobulins play a crucial role in the body's immune response, and the Total Immunoglobulins profile evaluates immune status by measuring the levels of IgG, IgA, and IgM antibodies (Shamji et al., 2021).

IgG constitutes the majority of immunoglobulins in the blood, accounting for approximately 70-80% of the total. IgG antibodies provide long-term defence against pathogens, rising within a few weeks and eventually stabilising. The immune system retains a memory of these IgG responses, allowing for rapid production of these antibodies upon re-exposure to the same pathogen (Shamji et al., 2021). A deficiency in IgG can indicate an underlying immunodeficiency disorder.

IgA makes up about 15% of the total serum immunoglobulins and is found in bodily fluids such as saliva, tears, respiratory and gastric secretions, and breast milk. It plays a vital role in protecting mucous membranes from infection, particularly in the gastrointestinal and respiratory tracts (Shamji et al., 2021). When passed from mother to infant during breastfeeding, IgA helps safeguard the infant's gastrointestinal health.

IgM antibodies are the first line of defence produced when the body encounters a new infection. They provide short-term protection until IgG antibodies take over.

Whats included?

- Total IgG
- Total IgA
- Total IgM

Conditions and Symptoms

- Frequent infections
- Poor immunity
- Autoimmune Disorders
- Monitoring chronic infections
- Inflammatory disorders

Complementary Testing

- IgG96 & IgE27 foods (Test code 3211)
- IgE Inhalants (Test code 3208)

Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories*
- CLIA – Clinical Laboratories Improvement Amendments*



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