

Division of Laboratory Medicine

Immunology

IgE (Total)

General information

Specimen transport: At room temperature

Repeat frequency: At significant change of clinical symptoms

Special precautions: None

Laboratory information

Age range	Total IgE (kU/L)
0 days to 6 weeks	< 5.2
6 weeks to 3 months	< 9.2
3 to 6 months	< 16.4
6 to 9 months	< 22.6
9 to 12 months	< 29.2
1 to 2 years	< 51.7
2 to 3 years	< 72.0
3 to 4 years	< 90.0
4 to 5 years	< 108.0
5 to 6 years	< 126.0
6 to 7 years	< 142.0
7 to 8 years	< 160.0
8 to 9 years	< 176.0
9 to 10 years	< 192.0
Above 10 years	< 114.0

Normal reference range: Age specific

Volume and sample type: 4ml serum, 8ml if multiple Specific IgE tests

Method: Immunoassay (Phadia 1000)

Participation in EQA scheme: UK NEQAS for TOTAL IgE

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Turnaround time (calendar days from sample receipt to authorised result): Median - 3

Clinical information

Indications for the test: Patients with suspected allergy (atopic disease). Main use of the test is to help interpret specific IgE levels.

Factors affecting the test: Total IgE >3000kU/L increases the incidence of false positive (low level) specific IgE. IgE <30 kU/L associated with false negative specific IgE. Similarly, very low IgE levels (<2.0 kU/L) may indicate an underlying immunodeficiency; measurement of immunoglobulins is recommended.

(Last updated August 2023)