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MEDICAL LABORATORY

BML516796

Laboratory Investigation Report

Name	:	Mr. MARVIN MOLINA JOSE	**Ref No.**	:	33539
DOB	:	13/11/1978	**Sample No.**	:	2501529424
Age / Gender	:	46 Y / Male	**Collected**	:	24/01/2025 12:16
Referred by	:	DR HUMAIRA	**Registered**	:	24/01/2025 17:44
Centre	:	CITICARE MEDICAL CENTER	**Reported**	:	24/01/2025 19:54

IMMUNOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
IGE TOTAL ANTIBODY	59.8		IU/mL	Refer to Table below in interpretation notes	ECLIA

INTERPRETATION NOTES :

Age – wise Reference Range:

Age group	IU/mL
Neonates	<1.5
Infants in 1st year of life	<15
Children aged 1 - 5 years	<60
Children aged 6 - 9 years	<90
Children aged 10 - 15 years	<200
Adults	<100
Please note change in reference range (Source: Roche)	

1. Immunoglobulin E (IgE) is a type of antibody synthesized by plasma cells
2. IgE plays an important role in immunological protection against parasitic infections and in allergy (type 1 hypersensitivity).
3. The IgE concentration in serum is normally very low as IgE is the least abundant antibody in serum (0.05 % of the IgG concentration). The IgE concentration is age-dependent, with the lowest values being measured at birth. Its concentration gradually increases and becomes stabilized between the age of 5-7, although the IgE values vary greatly within particular age groups.
4. Elevated IgE concentrations are seen in patients with Type 1 hypersensitivity reactions such as Anaphylactic reactions (reaction to drugs, bee stings, latex, vaccines, or antigen preparation used in desensitization immunotherapy), allergic diseases such as hay fever, atopic bronchitis, asthma, food allergies, urticaria and dermatitis.
5. Increased IgE concentrations can also occur in non-allergic diseases, e.g. congenital immunodeficiency syndromes, HIV infection, graft-versus- host disease, severe burns, some inflammatory diseases, certain cancers and parasitic diseases.
6. Low IgE levels may be seen in auto-immune disorders.

Note: Samples should not be taken from patients receiving therapy with high biotin doses (i.e. > 5 mg/day) until at least 8 hours following the last biotin administration.

References:

1. Kit Insert
2. Dati F, Ringel KP. Reference values for serum IgE in healthy non- atopic children and adults. Clin Chem 1982;28(7):1556.
3. Gould HJ, Sutton BJ, Beavil AJ, Beavil RL, McCloskey N, Coker HA, et al. (2003). "The biology of IGE and the basis of allergic disease". Annual Review of Immunology. 21: 579–628

Sample Type : Serum

End of Report

Dr. Adley Mark Fernandes
M.D (Pathology)
Pathologist

Dr. Vyoma V Shah
M.D (Pathology)
Clinical Pathologist

HARSHAD MANIKANDAN
Laboratory Technician
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This is an electronically authenticated report

P.O Box: 49527 Dubai, UAE Tel: +971 4 398 8567 reports@biosytech.ae www.biosytech.com