

**Client**  
**Gurugram**  
 Pathkind Diagnostics Pvt. Ltd.  
 Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

**Processed By**  
**Pathkind Diagnostics Pvt. Ltd.**  
 Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

<b>Name</b> : Mr. BC323	<b>Billing Date</b> : 07/07/2023 12:13:16
<b>Age</b> : 35 Yrs	<b>Sample Collected on</b> : 10/07/2023 10:01:31
<b>Sex</b> : Male	<b>Sample Received on</b> : 10/07/2023 11:02:13
<b>P. ID No.</b> : P1000100012436	<b>Report Released on</b> : 17/07/2023 18:35:12
<b>Accession No</b> : 10002304492	<b>Barcode No.</b> : 10002304492-01
<b>Referring Doctor</b> : Self	
<b>Referred By</b> :	<b>Ref no.</b> :

### Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
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### BIOCHEMISTRY

<b># IgG 4</b>	1.245	0.049 - 1.985	g/L
<i>Sample: Serum</i>			
<i>Method: Nephelometry</i>			

### **IgG 4**

#### **IgG subclass elevations :**

1. Atopic eczema and dermatitis
2. In allergy to many different allergens, allergen-specific IgG antibodies are predominantly of the IgG4 subclass and their levels increase during desensitization therapy, initially mainly IgG1 is formed, whereas IgG4 becomes more prominent after 1 -2 years.
3. Autoimmune pancreatitis

#### **IgG subclasses in other diseases :**

1. Patients with recurrent infections by encapsulated bacteria often show decreased levels of IgG2 and IgG4.
2. Recurrent respiratory infections with bronchiectasis are often associated with decreased levels of IgG2, IgG3 and IgG4.
3. Auto antibodies to ANCA are predominantly of the IgG1 and IgG4 subclass.

#### **IgG subclass deficiencies**

Immunodeficiency conditions	IgG Subclass deficiencies
IgA deficiency	Frequently associated with IgG2 and IgG4 deficiencies but IgG3 deficiencies may also occur occur.
Common Variable Immuno- deficiency (CVID)	Associated with decreased levels of IgG1, IgG2 and IgG4.
Wiskott -Aldrich Syndrome (WAS)	IgG3 and IgG4 deficiencies are observed.
Ataxia telangiectasia	IgG2 and IgG4 levels are usually very low, sometimes also associated with IgG3 deficiency.
Chronic Mucocutaneous Candidiasis	Some patients have IgG2 and IgG4 deficiency, although isolated IgG2 and IgG3 deficiencies are also observed.
HIV-infection (stages III and IV)	IgG2 and IgG4 levels are often decreased, while levels of IgG1 and IgG3 are increased.



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**Report Status - Final**

Test Name	Result	Biological Ref. Interval	Unit
Radiation exposure, chemotherapy (bone-marrow transplantation)	Often associated with low levels of IgG2 and IgG4.		

\*\* End of Report \*\*

**Dr. Aarti Khanna Nagpal**

DNB (Pathology)

Senior Consultant

