



## IMMUNOGLOBULINS G, A, M - SERUM REFERENCE RANGES

(Revised November 2007)

**New Method: Beckman Immage 800® (Nephelometric)  
& Reference Ranges Eff. 21-Nov-2007**

	Ages	Reference Intervals	Units
<b>IgG</b>	0 – 12 mo	2.3 – 14.1	g/L
	1 – 3 yr	4.5 – 14.3	
	4 – 6 yr	5.0 – 14.6	
	7 – 9 yr	5.7 – 14.7	
	10 – 14 yr	7.0 – 15.5	
	>14 yr	7.5 – 15.6	
<b>IgA</b>	0 – 12 mo	<0.8	g/L
	1 – 3 yr	0.2 – 1.0	
	4 – 6 yr	0.3 – 2.0	
	7 – 9 yr	0.3 – 3.1	
	10 – 14 yr	0.5 – 3.6	
	>14 yr	0.8 – 4.5	
<b>IgM</b>	0 – 12 mo	<1.4	g/L
	1 – 3 yr	0.2 – 1.5	
	4 – 6 yr	0.2 – 2.1	
	7 – 9 yr	0.3 – 2.1	
	10 – 14 yr	0.3 – 2.4	
	>14 yr	0.5 – 3.0	

### References:

1. Beckman package inserts for all except for ages  $\leq 14$  yr for IgG, IgA and IgM.
2. Hospital for Sick Children (Toronto) 1995 booklet for ages  $\leq 14$  yr for IgG, IgA and IgM.



## Immunoglobulin G Subclasses

Test Site: SGH	Reference Ranges (Units: g/L) (Jan. 2008)			
	IgG1	IgG2	IgG3	IgG4
0 – 2 y	1.94 – 8.42	0.23 – 3.00	0.19 – 0.85	0.005 – 0.784
2 – 4 y	3.15 – 9.45	0.36 – 2.25	0.17 – 0.68	0.010 – 0.537
4 – 6 y	3.06 – 9.45	0.61 – 3.45	0.10 – 1.22	0.018 – 1.125
6 – 8 y	2.88 – 9.18	0.44 – 3.75	0.16 – 0.85	0.004 – 0.992
8 – 10 y	4.32 – 10.20	0.72 – 4.30	0.13 – 0.85	0.019 – 0.932
10 – 12 y	4.23 – 10.60	0.76 – 3.55	0.17 – 1.73	0.016 – 1.150
12 – 14 y	3.42 – 11.50	1.00 – 4.55	0.28 – 1.25	0.037 – 1.360
14 – 18 y	3.15 – 8.55	0.64 – 4.95	0.23 – 1.96	0.110 – 1.570
>18 y	3.82 – 9.29	2.42 – 7.00	0.22 – 1.76	0.039 – 0.864

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