

### CHANGES IN IgG SUBCLASSES TESTING AND REFERENCE RANGES

Effective Date: October 4, 2016

Effective October 4, 2016, testing for IgG Subclasses 1-4 will change. This will result in a change in reference ranges as follows:

#### New Reference Ranges (mg/dL)

Age	Subclass 1 (mg/dL)	Subclass 2 (mg/dL)	Subclass 3 (mg/dL)	Subclass 4 (mg/dL)
0-4 months	56 - 215	0 - 82	7.6 - 82.3	0 - 19.8
5-8 months	102 - 369	0 - 89	11.9 - 74.0	0 - 20.8
9-14 months	160 - 562	24 - 98	17.3 - 63.7	0 - 22.0
15-23 months	209 - 724	35 - 105	21.9 - 55.0	0 - 23.0
2-3 years	158 - 721	39 - 176	17.0 - 84.7	0.4 - 49.1
4-6 years	209 - 902	44 - 316	10.8 - 94.9	0.8 - 81.9
7-9 years	253 - 1019	54 - 435	8.5 - 102.6	1.0 - 108.7
10-12 years	280 - 1030	66 - 502	11.5 - 105.3	1.0 - 121.9
13-15 years	289 - 934	82 - 516	20.0 - 103.2	0.7 - 121.7
16-17 years	283 - 772	98 - 486	31.3 - 97.6	0.3 - 111.0
>=18 years	341 - 894	171 - 632	18.4 - 106.0	2.4 - 121.0

#### Old Reference Ranges (mg/dL)

Age	Subclass 1 (mg/dL)	Subclass 2 (mg/dL)	Subclass 3 (mg/dL)	Subclass 4 (mg/dL)
0-2 years	170 - 950	22 - 440	4 - 69	0 - 120
3-4 years	290 - 1065	28 - 315	4 - 71	0 - 90
5-6 years	330 - 1065	57 - 345	8 - 126	2 - 116
7-8 years	225 - 1100	42 - 375	9 - 107	0 - 138
9-10 years	390 - 1235	390 - 1235	10 - 98	1 - 95
11-12 years	380 - 1420	380 - 1420	16 - 194	1 - 153
13-14 years	165 - 1440	165 - 1440	12 - 178	2 - 143
> 15 years	295 - 1029	295 - 1029	11 - 107	10 - 100

See reverse side

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# Laboratory Bulletin

### Continued from other side

IgG subclass levels are useful in determining the immune status of patients with normal total IgG levels but a clinically important deficiency of one or more IgG subclasses. Deficiencies in one or more IgG subclasses are associated with sinusitis, recurrent otitis media, asthma, respiratory tract infections, and impaired lung function with or without IgA deficiency.

Instructions for specimen collection, transport and storage will remain unchanged:

**Collection:** Collect one gold top SST tube (min. 4.0 mL whole blood), let specimen clot 30-60 minutes, then centrifuge to separate serum from cells.

**Storage:** Store and transport serum refrigerated (2-8 ° C or 36-46 ° F).

**Testing:** Performed on Monday, Wednesday and Friday.

If you have questions, please contact Client Services (1-800-551-0488, option 5).

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