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|---|--|---|--------------------|------------------|
| Patient ID SA00057080 | Patient Name SAMPLEREP, PN23 | Birth Date 1966-06-10 | Gender F | Age 46 |
| Order Number SA00057080 | Client Order Number SA00057080 | Ordering Physician Client, Client | Report Notes | |
| Account Information C7028846 DLMP Rochester | | Collected 30 Apr 2013 08:00 | | |

S. pneumoniae IgG Ab,23 serotypes,S

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|--------------------------|--------------------------|--------------------------|--------------------------|
| Serotype 1 (1) | MCR | Serotype 19F (19) | MCR |
| 10.3 mcg/mL | Reference Value ≥2.3 | 58.6 mcg/mL | Reference Value ≥15.0 |
| Serotype 2(2) | MCR | Serotype 20 (20) | MCR |
| 3.7 mcg/mL | Reference Value ≥1.0 | 7.3 mcg/mL | Reference Value ≥1.3 |
| Serotype 3 (3) | MCR | Serotype 22F (22) | MCR |
| 12.5 mcg/mL | Reference Value ≥1.8 | 12.9 mcg/mL | Reference Value ≥7.2 |
| Serotype 4 (4) | MCR | Serotype 23F (23) | MCR |
| 2.1 mcg/mL | Reference Value ≥0.6 | 21.4 mcg/mL | Reference Value ≥8.0 |
| Serotype 5 (5) | MCR | Serotype 6B (26) | MCR |
| 34.3 mcg/mL | Reference Value ≥10.7 | 9.9 mcg/mL | Reference Value ≥4.7 |
| Serotype 8 (8) | MCR | Serotype 10A (34) | MCR |
| 8.8 mcg/mL | Reference Value ≥2.9 | 6.1 mcg/mL | Reference Value ≥2.9 |
| Serotype 9N (9) | MCR | Serotype 11A (43) | MCR |
| 24.6 mcg/mL | Reference Value ≥9.2 | 18.5 mcg/mL | Reference Value ≥2.4 |
| Serotype 12F (12) | MCR | Serotype 7F (51) | MCR |
| 5.1 mcg/mL | Reference Value ≥0.6 | 5.2 mcg/mL | Reference Value ≥3.2 |
| Serotype 14 (14) | MCR | Serotype 15B (54) | MCR |
| 16.2 mcg/mL | Reference Value ≥7.0 | 4.7 mcg/mL | Reference Value ≥3.3 |
| Serotype 17F (17) | MCR | Serotype 18C (56) | MCR |
| 10.7 mcg/mL | Reference Value ≥7.8 | 17.6 mcg/mL | Reference Value ≥3.3 |

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Serotype 19A (57)

54.8 mcg/mL

MCR

 Reference Value
 ≥17.1

vaccination and identifying the antibody level for each serotype that included the largest number of individuals with a negative response (below cut-off) pre-vaccination and a positive response (above cut-off) post-vaccination.

Serotype 9V (68)

7.0 mcg/mL

MCR

 Reference Value
 ≥2.6

ADDITIONAL INFORMATION

All 23 serotypes assessed by this assay are included in the Pneumovax 23 vaccine. IgG antibody concentrations following Pneumovax 23 administration are a reflection of an individual's humoral immune response to polysaccharide antigens. Serotypes 1, 3, 4, 5, 6A (6), 14, 19F (19), 23F (23), 6B (26), 7F (51), 18C (56), 19A (57) and 9V (68) are included in the Prevnar-13 conjugate vaccine. Antibody concentrations following Prevnar-13 administration are a reflection of an individual's response to protein-conjugated antigens. Serotypes 2, 8, 9N (9), 12F (12), 17F (17), 20, 22F (22), 10A (34), 11A (43), 15B (54) and 33F (70) are present only in the Pneumovax 23 vaccine and not in Prevnar-13. Responses to these 11 serotypes are a reflection of an individual's response to polysaccharide antigens. Serotype 6A is only present in Prevnar-13.

Serotype 33F (70)

4.4 mcg/mL

MCR

 Reference Value
 ≥1.7

Either of the two following conditions would be consistent with a normal response to Streptococcus pneumoniae vaccination: Antibody concentrations greater than or equal to the reference value for at least 50% of serotypes in either a pre- or post-vaccination sample. Antibody concentrations increased by 2-fold or greater for at least 50% of serotypes when comparing the pre- to the post-vaccination results. Optimal cut-offs (reference values) were derived by measuring serotype-specific IgG antibody levels in an adult cohort of 100 healthy individuals (previously unvaccinated) before and after pneumococcal

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