

## **Laboratory Service Report**

# 1-800-533-1710

Patient Name SAMPLEREPORT,PN23	Patient ID SA00056315	Age 46	Gender F	Order # SA00056315
Ordering Phys CLIENT, CLIENT				<b>DOB</b> 06/10/1966
Client Order # SA00056315	Account Information			Report Notes
<b>Collected</b> 03/31/2013	3050 Superior Drive			
<b>Printed</b> 04/01/2013 14:08	Rochester, MN 55901			

			Reference	Perform
Test Fla	g Results	Unit	Value	Site*
S. pneumoniae IgG Ab,23 serotypes,S		REPORTED 04/0	01/2013 12:17	
Serotype 1 (1)	2.5	mcg/mL	>=2.3	MCR
Serotype 2(2)	0.5	mcg/mL	>=1.0	MCR
Serotype 3 (3)	2.2	mcg/mL	>=1.8	MCR
Serotype 4 (4)	1.2	mcg/mL	>=0.6	MCR
Serotype 5 (5)	3.6	mcg/mL	>=10.7	MCR
Serotype 8 (8)	3.0	mcg/mL	>=2.9	MCR
Serotype 9N (9)	12.9	mcg/mL	>=9.2	MCR
Serotype 12F (12)	0.7	mcg/mL	>=0.6	MCR
Serotype 14 (14)	6.8	mcg/mL	>=7.0	MCR
Serotype 17F (17)	2.2	mcg/mL	>=7.8	MCR
Serotype 19F (19)	16.0	mcg/mL	>=15.0	MCR
Serotype 20 (20)	6.3	mcg/mL	>=1.3	MCR
Serotype 22F (22)	8.2	mcg/mL	>=7.2	MCR
Serotype 23F (23)	4.7	mcg/mL	>=8.0	MCR
Serotype 6B (26)	5.2	mcg/mL	>=4.7	MCR
Serotype 10A (34)	13.5	mcg/mL	>=2.9	MCR
Serotype 11A (43)	3.4	mcg/mL	>=2.4	MCR
Serotype 7F (51)	<0.4	mcg/mL	>=3.2	MCR
Serotype 15B (54)	4.3	mcg/mL	>=3.3	MCR
Serotype 18C (56)	6.5	mcg/mL	>=3.3	MCR
Serotype 19A (57)	18.1	mcg/mL	>=17.1	MCR
Serotype 9V (68)	2.2	mcg/mL	>=2.6	MCR
Serotype 33F (70)	1.9	mcg/mL	>=1.7	MCR

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 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.

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

#### \*\*\*Performing Site Legend on Last Page of Report\*\*\*

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Patient Name	Collection Date and Time	Report Status	
SAMPLEREPORT,PN23	03/31/2013	Final	
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Reference Perform
Test Flag Results Unit Value Site\*

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.

## \* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:	

Patient Name	Collection Date and Time	Report Status
SAMPLEREPORT,PN23	03/31/2013	Final
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