MAYO CLINIC LABORATORIES

Test Definition: FNMEN

Neisseria Meningitidis IgG Vaccine Response

Reporting Title: N. meningitidis IgG Vacc Response
Performing Location: Quest Diagnostics

Specimen Requirements:

Container/Tube:
Preferred: Red top tube
Acceptable: Serum gel tube
Specimen Volume: 0.5 mL
Collection Instructions: Draw blood in a plain red-top tube(s), serum gel tube(s) is acceptable. Spin down and send 0.5 mL of serum refrigerated in a plastic vial.

Note: Serum gel tube is acceptable, but must pour off into a plastic vial.

Specimen Minimum Volume:

0.3 mL

Specimen Type	Temperature	Time	Special Container
Serum	Refrigerated (preferred)	14 days	
	Frozen	30 days	
	Ambient	7 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z0726	Serogroup A	Alphanumeric		42986-0
Z0532	Serogroup C	Alphanumeric		42985-2
Z0533	Serogroup Y	Alphanumeric		39618-4
Z0534	Serogroup W-135	Alphanumeric		39610-1

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

86317/x4

Reference Values:

Reference Ranges (pre-vaccination):

Serogroup A	<4.0 ug/mL
Serogroup C	<5.0 ug/mL
Serogroup Y	<4.0 ug/mL
Serogroup W-135	<3.0 ug/mL

This assay measures serum IgG antibodies recognizing polysaccharide antigens from the four Neisseria meningitidis serogroups included in the licensed meningococcal vaccine. The meningococcal vaccine response is best evaluated by testing pre-vaccination and post-vaccination samples in parallel. A two-fold or greater increase for at least two sero-groups is expected when comparing post-vaccination to pre-vaccination results. N. meningitidis IgG levels peak approximately one month post-vaccination, but decline markedly by two years.