

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

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Serogroup W-135

&lt;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.