
Lab Dept: Serology

Test Name: N. MENINGITIDIS IGG VACCINE RESPONSE

General Information

Lab Order Codes: MVR

Synonyms: Meningococcal IgG Vacc Response

CPT Codes: 86317x4 – Immunoassay for infectious agent, quantitative, not otherwise specified

Test Includes: Serogroup A, Serogroup C, Serogroup Y and Serogroup W-135 reported in ug/mL.

Logistics

Test Indications: Useful in monitoring meningococcal vaccine response.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Lab forward to Quest Diagnostics (MML Test: FNMEN)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 - 11 days

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red) top

Draw Volume: 1.5 mL (Minimum: 0.9 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.3 mL) serum

Collection: Routine venipuncture

Special Processing: Lab Staff: Centrifuge specimen. Remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.

Patient Preparation: None

Sample Rejection: Unlabeled or mislabeled specimens, specimens other than serum

Interpretive

Reference Range:

Pre-vaccination reference ranges:	
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
<p>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.</p> <p>Test performed by: Focus Diagnostics, Inc.</p>	

Critical Values: N/A

Limitations: N/A

Methodology: Multi-Analyte Immunodetection (MAID)

References: [Mayo Medical Laboratories Web Page](#) (September 2017)

Updates: 10/4/2017: CPT update