
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 <i>Neisseria meningitidis</i> 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. <i>N. meningitidis</i> 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