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**Lab Dept:** Serology

**Test Name:** N. MENINGITIDIS IGG VACCINE RESPONSE

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***General Information***

**Lab Order Codes:** MVR

**Synonyms:** Meningococcal IgG Vacc Response

**CPT Codes:** 86741x4 – Neisseria meningitidis

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

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***Logistics***

**Test Indications:** Useful in monitoring meningococcal vaccine response.

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Mayo Medical Laboratory forward to Focus Diagnostics (MML Test# 91669/FNMEN)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 - 9 days

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** Red top tube

**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

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***Interpretive***

**Reference Range:**

<b>Pre-vaccination reference ranges:</b>	
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](#) (July 2015)