**Lab Dept:** Serology  

**Test Name:** NEUROMYELITIS OPTICA (NMO)/AQUAPORIN-4-IGG FLUORESCENCE ACTIVATED CELL SORTING ASSAY  

### General Information

**Lab Order Codes:** NMOFS  

**Synonyms:** NMO/AQP4 FACS  

**CPT Codes:**  
- 86255 – NMO-IgG FACS  
- 86256 – NMO-IgG FACS titer (if appropriate)  

**Test Includes:** NMO/AQP4-IgG FACS  

If the NMO/AQP4-IgG FACS assay requires further evaluation, then NMO/AQP4-IgG FACS titration assay will be performed at an additional charge.

### Logistics

**Test Indications:** Diagnosis of a neuromyelitis optica spectrum disorder (NMOSD). Distinguishing NMOSD from multiple sclerosis early in the course of disease.  

**Lab Testing Sections:** Serology – Sendouts  

**Referred to:** Mayo Medical Laboratories (Test: NMOFS)  

**Phone Numbers:**  
- MIN Lab: 612-813-6280  
- STP Lab: 651-220-6550  

**Test Availability:** Daily, 24 hours  

**Turnaround Time:** 2 – 6 days  

**Special Instructions:** N/A

### Specimen

**Specimen Type:** Blood  

**Container:** SST (Marble, gold or red) tube
Draw Volume: 3 mL (Minimum: 1.5 mL) blood
Processed Volume: 1 mL (Minimum: 0.5 mL) serum
Collection: Routine venipuncture
Special Processing: Lab Staff: Centrifuge specimen, remove serum from cells, aliquot into a screw-capped round bottom plastic vial. Store and ship at refrigerated temperatures. Forward promptly.
Patient Preparation: None
Sample Rejection: Gross hemolysis; gross lipemia; grossly icteric; mislabeled or unlabeled specimens

Interpretive

Reference Range: Negative

Interpretation: A positive value is consistent with an neuromyelitis optica spectrum disorder (NMOSD) and justifies initiation of appropriate immunosuppressive therapy at the earliest possible time. This allows early initiation and maintenance of optimal therapy. Recommend follow-up in 6 months if NMOSD is suspected. The autoantibody is not found in healthy subjects.

Critical Values: N/A

Limitations: A negative result does not exclude a diagnosis of neuromyelitis optica spectrum disorder (NMOSD).

Methodology: Flourescence-Activated Cell Sorting (FACS)

References: Mayo Medical Laboratories December 2017