
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

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|-----------------------------|--|
| 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