

## Myositis Specific Antibody Evaluation, Serum

**Test ID:** MSAES

**Useful for:**

Accurately diagnosing, classifying, and managing idiopathic inflammatory myopathies (IIM) by identifying subtype-specific biomarkers that guide prognosis and treatment

Enabling early detection of IIM, particularly in atypical or severe cases, and reducing diagnostic uncertainty for personalized care

**Profile Information:**

| Test ID | Reporting Name                 | Available Separately | Always Performed |
|---------|--------------------------------|----------------------|------------------|
| EJS     | EJ Ab, S                       | No                   | Yes              |
| HMGCR   | HMG-CoA Reductase Ab, S        | Yes                  | Yes              |
| JO1     | Jo 1 Ab, IgG, S                | Yes                  | Yes              |
| MDA5S   | MDA5 Ab, S                     | No                   | Yes              |
| MI2S    | Mi2 Ab, S                      | No                   | Yes              |
| MYSI    | Myositis Specific Ab Interp, S | No                   | Yes              |
| NXP2S   | NXP2 Ab, S                     | No                   | Yes              |
| OJS     | OJ Ab, S                       | No                   | Yes              |
| PL12S   | PL12 Ab, S                     | No                   | Yes              |
| PL7S    | PL7 Ab, S                      | No                   | Yes              |
| SAE1S   | SAE1 Ab, S                     | No                   | Yes              |
| SRPIS   | SRP IFA Screen, S              | No                   | Yes              |
| TIFGS   | TIF1G Ab, S                    | No                   | Yes              |

**Reflex Tests:**

| Test ID | Reporting Name    | Available Separately | Always Performed |
|---------|-------------------|----------------------|------------------|
| SRPBS   | SRP Immunoblot, S | No                   | No               |
| SRPTS   | SRP IFA Titer, S  | No                   | No               |

**Methods:**

EJS, MDA5S, MI2S, NXP2S, OJS, PL12S, PL7S, SAE1S, TIFGS: Bead-Based Multi-Analyte Immunoassay

JO1: Multiplex Flow Immunoassay (MFI)

SRPIS, SRPTS: Indirect Immunofluorescence Assay (IFA)

HMGCR: Chemiluminescence Immunoassay (CIA)

SRPBS: Immunoblot (IB)

MYSI: Technical Interpretation

### Reference Values:

| Test ID | Reporting Name                 | Methodology*             | Reference Value     |
|---------|--------------------------------|--------------------------|---------------------|
| MYSI    | Myositis Specific Ab Interp, S | Technical interpretation | Interpretive report |
| EJS     | EJ Ab, S                       | PMAT                     | Negative            |
| HMGCR   | HMG-CoA Reductase Ab, S        | CIA                      | <20.0               |
| JO1     | Jo 1 Ab, IgG, S                | MFI                      | <1.0 U              |
| MDA5S   | MDA5 Ab, S                     | PMAT                     | Negative            |
| MI2S    | Mi2 Ab, S                      | PMAT                     | Negative            |
| NXP2S   | NXP2 Ab, S                     | PMAT                     | Negative            |
| OJS     | OJ Ab, S                       | PMAT                     | Negative            |
| PL12S   | PL12 Ab, S                     | PMAT                     | Negative            |
| PL7S    | PL7 Ab, S                      | PMAT                     | Negative            |
| SAE1S   | SAE1 Ab, S                     | PMAT                     | Negative            |
| SRPIS   | SRP IFA Screen, S              | IFA                      | Negative            |
| TIFGS   | TIF1G Ab, S                    | PMAT                     | Negative            |

\*Methodology abbreviations:

Bead-based multi-analyte immunoassay (PMAT)

Multiplex flow immunoassay (MFI)

Indirect immunofluorescence assay (IFA)

Chemiluminescence immunoassay (CIA)

Immunoblot (IB)

### Specimen Requirements:

**Supplies:** Sarstedt Aliquot Tube, 5 mL (T914)

**Collection Container/Tube:**

**Preferred:** Red top

**Acceptable:** Serum gel

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 2.5 mL

**Collection Instructions:** Centrifuge and aliquot serum into a plastic vial.

**Minimum Volume:** 1.5 mL

### Specimen Stability Information:

| Specimen Type | Temperature              | Time    |
|---------------|--------------------------|---------|
| Serum         | Refrigerated (preferred) | 21 days |
|               | Frozen                   | 21 days |

**Cautions:**

It is important to note the while myositis-specific antibody testing provides valuable information, it should be used in conjunction with clinical evaluation, physical examination and other diagnostic tests to arrive at a comprehensive and accurate diagnosis.

In routine clinical testing, antibody testing for myositis specific antibodies maybe performed using a variety of solid-phase immunoassays such as the enzyme-linked immunosorbent assay, line immunoassay, chemiluminescence immunoassay, fluorescent enzyme immunoassay, and various radioimmunoprecipitation assays. The performance characteristics of these assays for the detection of each myositis-specific antibody have not been extensively investigated to establish comparability.

**CPT Code:**

86255 x10

82397

86235

84182-SRPBS (if appropriate)

86256-SRPTS (if appropriate)

**Day(s) Performed:** Varies

**Report Available:** 3 to 7 days

**Questions**

Contact Amy Ennis, Laboratory Resource Coordinator at 800-533-1710.