Inflammatory Myopathies

testing at ARUP Laboratories

Reference
1. ARUP Consult: Inflammatory Myopathies arupconsult.com/content/inflammatory-myopathies
Myositis may be idiopathic or caused by conditions such as microbial infections, drugs, or injury leading to inflammation and damage in the muscles.

Idiopathic inflammatory myopathies (IIM) are a rare and heterogeneous group of autoimmune diseases characterized by acute, subacute, or chronic muscle weakness. IIM may broadly be categorized into dermatomyositis (DM), polymyositis (PM), inclusion body myositis (IBM), necrotizing autoimmune myopathy (NAM), and overlap syndromes.

**Frequency**
Myositis is listed as a rare disease by the Office of Rare Diseases (ORD) of the National Institutes of Health (NIH). This means that myositis, or a subtype of myositis, affects less than 200,000 people in the U.S. population. Polymyositis and dermatomyositis are about twice as common in women and inclusion body myositis is more common in men.

**Disease Presentation**
In general, patients with myositis may present with one or more of these symptoms at disease onset:
- Difficulty standing up from a seated position
- Difficulty lifting the arms
- Fatigue after standing or walking a long time
- Trouble swallowing or breathing
- Muscle pain that does not subside within a few weeks
- A red or purple colored rash on the eyelids, elbows, knees, and knuckles

**Laboratory Testing at ARUP**
The presence of specific autoantibodies may have some relevance in stratifying patients based on risk for certain organ involvement, as well as predicting cancer or response to treatment. In this regard, if present, autoantibodies may be useful in long-term management of patients with myositis.

**test name and code**

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Antibodies tested</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Myositis Extended Panel (2013961)</strong></td>
<td>Mi-2, PL-7, PL12, P155/140, EJ, Ku, OJ, PM/Scl, SRP, U2RNP, U1RNP, Ro52, Ro60, Jo-1, U3 Fib, SAE1, NXP2, MDA5, TIF1-gamma</td>
</tr>
<tr>
<td><strong>Polymyositis and Dermatomyositis Panel (2013992)</strong></td>
<td>PL-7, PL12, EJ, OJ, SRP, Jo-1, Mi-2, P155/140, SAE1, MDA5, NXP2, TIF1-gamma</td>
</tr>
<tr>
<td><strong>Polymyositis Panel (2013990)</strong></td>
<td>PL-7, PL12, EJ, OJ, SRP, Jo-1</td>
</tr>
<tr>
<td><strong>Dermatomyositis Panel (2013991)</strong></td>
<td>Mi-2, P155/140, SAE1, MDA5, NXP2, TIF1-gamma</td>
</tr>
<tr>
<td><strong>Interstitial Lung Disease Panel (2013993)</strong></td>
<td>Ro52, Ro60, Jo-1, PL-7, PL12, EJ, Ku, SRP, OJ, PM/Scl-100, MDA5, CCR, Sc1-70, RA, ANA, NXP-2</td>
</tr>
</tbody>
</table>