# MDA5 and ASYS

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BLUF: lineblot is highly prone to FP and FN results. IP is best overall, but ELISA is a faster, acceptable non-IP alternative.
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Modality ranked by highest to lower *specificity*:

- IP > ELISA » multiplex bead assays » lineblot

Modality ranked by highest to lower *sensitivity*:

- ELISA >= IP » multiplex bead assays » lineblot

## Reliable test options

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Use OMRF or Labcorp ELISA options. Avoid Quest
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| lab | test_name | link | antibodies | test_modality | notable_feature |
|---|---|---|---|---|---|
| Labcorp | anti-synthetase profile | https://www.labcorp.com/tests/520193/anti-synthetase-profile-rdl | Anti-EJ Ab; Anti-Jo-1 Ab; Anti-OJ Ab; Anti-PL-7 Ab, Anti-PL-12 Ab | ELISA and RIPA | RIPA has superior sensitivity for detecting anti-OJ |
| Labcorp | MyoMarker® 3 Plus Profile | https://www.labcorp.com/tests/520085/myomarker-3-plus-profile-rdl | Anti-PM/Sci-100 Ab; Anti-MDA5 Ab (CADM-140); Anti-NXP-2 Ab; Anti-TIF-1gamma Ab; Anti-SAE1 Ab, IgG; Anti-SRP Ab; Anti-U3 RNP (Fibrillarin Ab); Anti-U2 RNP Ab; Anti-Mi-2 Ab; Anti-PL-7 Ab; Anti-PL-12 Ab; Anti-EJ Ab; Anti-OJ Ab; Anti-Ku Ab; Anti-Jo-1 Ab; Anti-U1 RNP Ab; Anti-SS-A 52kD Ab, IgG | ELISA and RIPA | large MSA and MAA screen; includes RO52 ELISA measurement |
| Quest | Myositis Specific 11 Antibodies Panel | https://testdirectory.questdiagnostics.com/test/test-detail/94777/myositis-specific-11-antibodies-panel?cc=MASTER | Jo-1 Ab, Pl-7 Ab, Pl-12 Ab, EJ Ab, OJ Ab, SRP Ab, Mi-2 Alpha Ab, Mi-2 Beta Ab, MDA5 Ab, TIF1 Gamma Ab, NXP-2 Ab | | |

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