

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: Unknown
Gender: Unknown
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Dermatomyositis and Polymyositis Panel

ARUP test code 3018866

Jo-1 (Histidyl-tRNA Synthetase) Ab, IgG	0 AU/mL	(Ref Interval: 0-40)
<p>INTERPRETIVE INFORMATION: Jo-1 Antibody, IgG</p> <p>29 AU/mL or less.....Negative 30-40 AU/mL.....Equivocal 41 AU/mL or greater.....Positive</p> <p>Presence of Jo-1 (antihistidyl transfer RNA [t-RNA] synthetase) antibody is associated with polymyositis and may also be seen in patients with dermatomyositis. Jo-1 antibody is associated with pulmonary involvement (interstitial lung disease), Raynaud phenomenon, arthritis, and mechanic's hands (implicated in antisynthetase syndrome).</p>		
PL-12 (alanyl-tRNA synthetase) Antibody	Negative	(Ref Interval: Negative)
PL-7 (threonyl-tRNA synthetase) Antibody	Negative	(Ref Interval: Negative)
EJ (glycyl-tRNA synthetase) Antibody	Negative	(Ref Interval: Negative)
OJ (isoleucyl-tRNA synthetase) Antibody	Negative	(Ref Interval: Negative)
SRP (Signal Recognition Particle) Ab	Negative	(Ref Interval: Negative)
Mi-2 (nuclear helicase protein) Antibody	Negative	(Ref Interval: Negative)
P155/140 Antibody	Negative	(Ref Interval: Negative)
TIF-1 gamma (155 kDa) Ab	Negative	(Ref Interval: Negative)

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

SAE1 (SUMO activating enzyme) Ab	Negative	(Ref Interval: Negative)
MDA5 (CADM-140) Ab	Negative	(Ref Interval: Negative)
NXP2 (Nuclear matrix protein-2) Ab	Negative	(Ref Interval: Negative)

Myositis Interpretive Information **See Note**

INTERPRETIVE INFORMATION: Dermatomyositis and Polymyositis Panel 2

If present, myositis-specific antibodies (MSAs) are specific for myositis, and may be useful in establishing diagnosis as well as prognosis. MSAs are generally regarded as mutually exclusive with rare exceptions; the occurrence of two or more MSAs should be carefully evaluated in the context of patient's clinical presentation. Myositis-associated antibodies (MAAs) may be found in patients with CTD, including overlap syndromes, and are generally not specific for myositis. The following table will help in identifying the association of any antibodies found as either MSAs or MAAs.

Antibody Specificity	MSAs	MAAs
Jo-1 (histidyl-tRNA synthetase) Ab, IgG	X	
PL-12 (alanyl-tRNA synthetase) Antibody	X	
PL-7 (threonyl-tRNA synthetase) Antibody	X	
EJ (glycyl-tRNA synthetase) Antibody	X	
OJ (isoleucyl-tRNA synthetase) Antibody	X	
SRP (Signal Recognition Particle) Ab	X	
Mi-2 (nuclear helicase protein) Antibody	X	
P155/140 Antibody	X	
TIF-1 gamma (155 kDa) Ab	X	
SAE1 (SUMO activating enzyme) Ab	X	
MDA5 (CADM-140) Ab	X	
NXP2 (Nuclear matrix protein-2) Ab	X	
Ha (tyrosyl-tRNA synthetase) Ab	X	
Ks (asparaginyl-tRNA synthetase) Ab	X	
Zo (phenylalanyl-tRNA synthetase) Ab	X	

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

Antinuclear Antibody (ANA), HEp-2, IgG	<1:80	(Ref Interval: <1:80)
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ANA Interpretive Comment **See Note**

Antinuclear antibodies by IFA negative for homogeneous, speckled, nucleolar, centromere, and nuclear dots patterns.

Cytoplasmic antibodies by IFA negative for reticular/AMA, discrete/GW body-like, polar/golgi-like, rods and rings, and cytoplasmic speckled patterns.

H=High, L=Low, *=Abnormal, C=Critical

INTERPRETIVE INFORMATION: ANA Interpretive Comment

Presence of antinuclear antibodies (ANA) is a hallmark feature of systemic autoimmune rheumatic diseases (SARD). However, ANA lacks diagnostic specificity and is associated with a variety of diseases (cancers, autoimmune, infectious, and inflammatory conditions) and may also occur in healthy individuals in varying prevalence. The lack of diagnostic specificity requires confirmation of positive ANA by more specific serologic tests. ANA (nuclear reactivity) positive patterns reported include centromere, homogeneous, nuclear dots, nucleolar, or speckled. ANA (cytoplasmic reactivity) positive patterns reported include reticular/AMA, discrete/GW body-like, polar/golgi-like, cytoplasmic speckled or rods and rings. All positive patterns are reported to endpoint titers (1:2560). Reported patterns may help guide differential diagnosis, although they may not be specific for individual antibodies or diseases. Mitotic staining patterns not reported. Negative results do not necessarily rule out SARD.

Ha (tyrosyl-tRNA synthetase) Ab

Negative (Ref Interval: Negative)

Ha antibody negative by line immunoassay. No band corresponding to 65 kDa observed by immunoprecipitation.

Ks (asparaginyl-tRNA synthetase) Ab

Negative (Ref Interval: Negative)

Ks antibody negative by line immunoassay. No band corresponding to 65 kDa observed by immunoprecipitation.

Zo (phenylalanyl-tRNA synthetase) Ab

Negative (Ref Interval: Negative)

Zo antibody negative by line immunoassay. No bands corresponding to 68 and 58 kDa observed by immunoprecipitation.

H=High, L=Low, *=Abnormal, C=Critical

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Jo-1 (Histidyl-tRNA Synthetase) Ab, IgG	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
PL-12 (alanyl-tRNA synthetase) Antibody	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
PL-7 (threonyl-tRNA synthetase) Antibody	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
EJ (glycyl-tRNA synthetase) Antibody	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
OJ (isoleucyl-tRNA synthetase) Antibody	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
SRP (Signal Recognition Particle) Ab	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Mi-2 (nuclear helicase protein) Antibody	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
P155/140 Antibody	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
TIF-1 gamma (155 kDa) Ab	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
SAE1 (SUMO activating enzyme) Ab	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
MDA5 (CADM-140) Ab	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
NXP2 (Nuclear matrix protein-2) Ab	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Myositis Interpretive Information	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Antinuclear Antibody (ANA), HEp-2, IgG	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
ANA Interpretive Comment	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ha (tyrosyl-tRNA synthetase) Ab	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Ks (asparaginylyl-tRNA synthetase) Ab	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Zo (phenylalanyl-tRNA synthetase) Ab	25-022-102246	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 25-022-102246
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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