

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

Physician: Doctor, Example

Patient: Patient, Example

5/4/1964
Female
01234567890ABCD, 012345
01234567890ABCD
00/00/0000 00:00

Connective Tissue Disease First Line Panel with Reflex

ARUP test code 3002463

Double-Stranded DNA (dsDNA) Ab IgG ELISA	3 IU	(Ref Interval: 0-24)
	Ab IgG ELISA 24 IU or less. 25-30 IU 30-60 IU 60-200 IU	ORMATION: Double-Stranded DNA (dsDNA) Negative Borderline Positive Low Positive Positive terStrong Positive
	antibody is a di erythematosus (S enzyme-linked im (0050215), posit highly specific fluorescent test early or inactiv ELISA but negati but positive by antinuclear anti information and	nti-double stranded DNA (anti-dsDNA) IgG agnostic criterion of systemic lupus LE). Specimens are initially screened by munosorbent assay (ELISA). If ordered as reflex ive ELISA results (>24 IU) will be reflexed to a IFA titer (Crithidia luciliae indirect [CLIFT]) for confirmation. Some patients with e SLE may be positive for anti-dsDNA IgG by ve by CLIFT. If the patient is negative by CLIFT ELISA and clinical suspicion remains, consider body (ANA) testing by IFA. Additional recommendations for testing may be found at ult.com/content/systemic-lupus-erythematosus.
Smith (ENA) Antibody, IgG	2 AU/mL	(Ref Interval: 0-40)
	INTERPRETIVE INF	ORMATION: Smith (ENA) Antibody, IgG
	30 - 40 AU/mL	ss Negative Equivocal eater Positive
	systemic lupus e percent of SLE c	s highly specific (greater than 90 percent) for rythematosus (SLE) but only occurs in 30-35 ases. The presence of antibodies to Smith has tions with SLE clinical manifestations.
SSA-52 (Ro52) (ENA) Antibody, IgG	3 AU/mL	(Ref Interval: 0-40)

Unless otherwise indicated, testing performed at:



INTERPRETIVE INFORMATION: SSA-52 (Ro52) (ENA) Antibody, IgG
29 AU/mL or Less Negative 30 - 40 AU/mL Equivocal 41 AU/mL or Greater Positive
SSA-52 (Ro52) and/or SSA-60 (Ro60) antibodies are associated with a diagnosis of Sjogren syndrome, systemic lupus erythematosus (SLE), and systemic sclerosis. SSA-52 antibody overlaps significantly with the major SSC-related antibodies. SSA-52 (Ro52) antibody occurs frequently in patients with inflammatory myopathies, often in the presence of interstitial lung disease.
1 AU/mL (Ref Interval: 0-40)
REFERENCE INTERVAL: SSA-60 (Ro60) (ENA) Antibody, IgG
29 AU/mL or Less Negative 30 - 40 AU/mL Equivocal 41 AU/mL or Greater Positive
4 Units (Ref Interval: 0-19)
INTERPRETIVE INFORMATION: Smith/RNP (ENA) Antibody, IgG
19 Units or Less Negative
20 to 39 Units Weak Positive 40 to 80 Units Moderate Positive 81 Units or greater Strong Positive
Smith/RNP antibodies are frequently seen in patients with mixed connective tissue disease (MCTD) and are also associated with other systemic autoimmune rheumatic diseases (SARDs) such as systemic lupus erythematosus (SLE), systemic sclerosis, and myositis. Antibodies targeting the Smith/RNP antigenic complex also recognize Smith antigens, therefore, the Smith antibody response must be considered when interpreting these results.
1 AU/mL (Ref Interval: 0-40)
INTERPRETIVE INFORMATION: Jo-1 Antibody, IgG
29 AU/mL or lessNegative 30-40 AU/mLEquivocal 41 AU/mL or greaterPositive
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).
1 AU/mL (Ref Interval: 0-40)
INTERPRETIVE INFORMATION: SSB (La) (ENA) Ab, IgG
29 AU/mL or Less Negative 30 - 40 AU/mL Equivocal 41 AU/mL or Greater Positive
SSB (La) antibody is seen in 50-60% of Sjogren syndrome cases and is specific if it is the only ENA antibody present. 15-25% of patients with systemic lupus erythematosus (SLE) and 5-10% of patients with progressive systemic sclerosis (PSS) also have this antibody.

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

Unless otherwise indicated, testing performed at:



Scleroderma (Scl-70) (ENA) Antibody, IgG

6 AU/mL (Ref Interval: 0-40) INTERPRETIVE INFORMATION: Scleroderma (Scl-70) (ENA) Ab, IgG

29 AU/mL or Less Negative 30 - 40 AU/mL Equivocal 41 AU/mL or Greater Positive

The presence of Scl-70 antibodies (also referred to as topoisomerase I, topo-I or ATA) is considered diagnostic for systemic sclerosis (SSc). Scl-70 antibodies alone are detected in about 20 percent of SSc patients and are associated with the diffuse form of the disease, which may include specific organ involvement and poor prognosis. Scl-70 antibodies have also been reported in a varying percentage of patients with systemic lupus erythematosus (SLE). Scl-70 (topo-1) is a DNA binding protein and anti-DNA/DNA complexes in the sera of SLE patients may bind to topo-I, leading to a false-positive result. The presence of Scl-70 antibody in sera may also be due to contamination of recombinant Scl-70 with DNA derived from cellular material used in immunoassays. Strong clinical correlation is recommended if both Scl-70 and dsDNA antibodies are detected.

Negative results do not necessarily rule out the presence of SSC. If clinical suspicion remains, consider further testing for centromere, RNA polymerase III and U3-RNP, PM/Scl, or Th/To antibodies.

VERIFIED/REPORTED DATES						
Procedure	Accession	Collected	Received	Verified/Reported		
Double-Stranded DNA (dsDNA) Ab IgG ELISA	23-251-137844	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
Smith (ENA) Antibody, IgG	23-251-137844	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
SSA-52 (Ro52) (ENA) Antibody, IgG	23-251-137844	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
SSA-60 (Ro60) (ENA) Antibody, IgG	23-251-137844	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
Smith/RNP (ENA) Ab, IgG	23-251-137844	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
Jo-1 (Histidyl-tRNA Synthetase) Ab, IgG	23-251-137844	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
SSB (La) (ENA) Antibody, IgG	23-251-137844	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
Scleroderma (Scl-70) (ENA) Antibody, IgG	23-251-137844	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: 23-251-137844 Patient Identifiers: 01234567890ABCD, 012345 Visit Number (FIN): 01234567890ABCD Page 3 of 3 | Printed: 9/26/2023 10:52:20 AM 4848