

Double-Stranded DNA (dsDNA) Antibodies Panel, IgG, Serum

Test ID: ADNAP

Useful for:

Evaluation of patients at-risk of systemic lupus for erythematosus (SLE) with abnormal antinuclear antibodies
Management of affected individuals
Distinguishing SLE from other autoimmune diseases

Profile Information:

Test ID	Reporting Name	Available Separately	Always Performed
ADNA1	dsDNA Ab, IgG, S	Yes	Yes
CRTHS	dsDNA Ab IFA Screen, IgG, S	Yes	Yes

Reflex Tests:

Test ID	Reporting Name	Available Separately	Always Performed
CRTHT	dsDNA Ab IFA Titer, IgG, S	No	No

Methods:

ADNA1: Enzyme-Linked Immunosorbent Assay (ELISA)
CRTHS, CRTHT: Indirect Immunofluorescence Assay (IFA)

Reference Values:

DOUBLE-STRANDED DNA (dsDNA) ANTIBODIES, IgG:

<100 IU/mL (Negative)

> or =100 IU/mL (Positive)

Negative is considered normal.

Reference values apply to all ages.

DOUBLE-STRANDED DNA (dsDNA) IgG ANTIBODIES, *CRITHIDIA LUCILIAE* IMMUNOFLUORESCENCE SCREEN

Negative (<1:10)

Reference values apply to all ages.

DOUBLE-STRANDED DNA (dsDNA) IgG ANTIBODIES, *CRITHIDIA LUCILIAE* IMMUNOFLUORESCENCE TITER

Negative (<1:10)

Specimen Requirements:

Supplies:	Sarstedt Aliquot Tube, 5 mL (T914)
Container/Tube:	Plastic Vial
Preferred:	Serum gel
Acceptable:	Red top
Specimen Volume:	0.8 mL Serum
Collection Instructions:	Centrifuge and aliquot serum into a plastic vial.
Minimum Volume:	0.8 mL Serum

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Frozen	21 days

Cautions:

Discrepancy between the two methods for detecting anti-double stranded DNA (anti-dsDNA) IgG antibodies is not uncommon. This may be related to prior use of immunosuppression or differences in sensitivities of methods for certain epitopes.

Some patients with early or inactive systemic lupus erythematosus may be positive for anti-dsDNA IgG by enzyme linked immunosorbent assay (ELISA) but negative in the anti-dsDNA indirect immunofluorescent assay using *Crithidia luciliae* as substrate (CLIFT). If the CLIFT result is negative but the patient has a positive ELISA and clinical suspicion remains, consider antinuclear antibody testing. In addition, a subset of patients may test positive by CLIFT and negative in the ELISA test.

CPT Code:

ADNA1-86225
CRTHS-86255

Day(s) Performed:

ADNA1: Monday through Saturday
CRTHS, CRTHT: Monday through Friday

Report Available:

2 to 4 days

Questions

Contact Melissa Derksen, Laboratory Resource Coordinator at 800-533-1710.