
Lab Dept: Serology

Test Name: DOUBLE-STRANDED DNA ANTIBODY

General Information

Lab Order Codes: DSD

Synonyms: DNA Double-Stranded (ds-DNA) Antibody, IgG, Serum; Anti-DNA; Anti-dsDNA; Anti- Native DNA; Double Stranded DNA; ds-DNA antibody; IgG Anti-DS DNA Antibody

CPT Codes: 86225 – Deoxyribonucleic acid (DNA) antibody; native or double stranded

Test Includes: Double-stranded DNA antibody, IgG level reported in IU/mL.

Logistics

Test Indications: Useful in evaluating patients with signs and symptoms consistent with lupus erythematosus (LE). Monitoring patients with documented LE for flares in disease activity.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Laboratories (Test: ADNA)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 - 3 days

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red) tube

Draw Volume: 1.5 mL (Minimum: 1.2 mL) blood

Processed Volume: 0.5 mL (Minimum: 0.35 mL) serum

Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot into screw-capped round bottom plastic vial. Store and ship specimen refrigerated. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:

All ages:	
<30.0 IU/mL	Negative
30.0 – 75.0 IU/mL	Borderline
>75.0 IU/mL	Positive
Negative is considered normal.	

Critical Values: N/A

Limitations: Measurements of IgG antibodies to dsDNA are semiquantitative. Slight changes in the levels of these antibodies should not be relied upon to predict changes in clinical course of patients with LE. Clinical flares of disease in patients with LE may not be accompanied by changes in the levels of dsDNA antibodies.

Positive results may occur in patients with diseases other than LE. A negative result does not exclude a diagnosis of SLE.

Methodology: Enzyme-Linked Immunosorbent Assay

References: [Mayo Medical Laboratory Web Page](#) May 2017

Updates:
 4/18/2007: Reference ranges updated.
 11/1/2007: Note Unit change from IU to IU/mL. Updated reference range due to change in method. Method previously listed as ELISA.
 5/31/2011: Reference range update, ranges expanded by age. Method change previously listed as multiplex flow assay.
 4/16/2013: Updated reference range.