

## Anti-dsDNA (DSDNA)

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### TEST OVERVIEW

<b>Test Name</b>	Anti-dsDNA
<b>Test Code</b>	DSDNA
<b>Short Description</b>	dsDNA

### OVERVIEW

<b>Test Name</b>	Anti-dsDNA
<b>Test Code</b>	DSDNA
<b>Category</b>	Allergy/Autoimmune
<b>TAT</b>	Main Lab: 6, Hour(s) Family Site: <6hrs
<b>Specimen(s)</b>	1 x Venous blood - 5 mL Tube - Gold - SST-Serum Separator Tube

### SPECIMEN(S)

#### SST-Serum Separator Tube

<b>Specimen Type</b>	SST-Serum Separator Tube
<b>Specimen Format</b>	Tube
<b>Specimen Colour</b>	Gold
<b>Specimen Volume</b>	5 mL
<b>Sampling Order</b>	2
<b>Origin</b>	Venous blood
<b>Collection time after baseline</b>	-
<b>Transport Temperature</b>	0°C
<b>Accepted Other Specimens</b>	EDTA Plasma Serum

<b>TAT</b>	Main Lab: 6, Hour(s) Family Site: <6hrs
<b>Test Stability</b>	Room Temp: 24 Hour(s) 2–8°C: 7 Day(s)

## CLINICAL INFORMATION

### Anti-dsDNA

<b>Methodology</b>	-
<b>Specimen Type</b>	SST-Serum Separator Tube
<b>Delay before pre-treatment</b>	24
<b>Transport Temperature</b>	0°C
<b>Transport Stability at room temp</b>	24 Hours
<b>Transport Stability at 2–8°C</b>	7 Day
<b>Haemolysis interference</b>	No

### Clinical Interest

**Anti-nuclear antibodies (ANA)** are autoantibodies directed against components of the cell nucleus. By extension, they include antibodies recognising certain components of the cytoplasm and cytoskeleton. Along with rheumatoid factors, ANAs are sought whenever a non-organ-specific autoimmune disease is suspected.

ANAs can be divided into antibodies directed against extractable nuclear antibodies (ENA), non-extractable nuclear antigens and antigens located in the cytoplasm.

A positive ANA or ENA often leads to more specific tests, such as anti-dsDNA, anti-Sm, anti-RNP, anti-Ro/SSA and anti-La/SSB, anti-Scl-70 or anti-JO-1 antibodies to differentiate the various autoimmune diseases.

- Systemic lupus **erythematosus** (SLE), with over 95% of patients testing positive.
- The specific antibodies associated are **anti-double-stranded DNA** (anti-ds-DNA), anti-SM, anti-RNP (Ribonucleoproteins), Anti-Ro/SSA and Anti-La/SSB.
- **Sjögren's** syndrome, essentially with Anti-Ro/SSA and Anti-La/SSB.
- Systemic scleroderma is often associated with **anti-centromeres (ACA)** and anti-Topoisomérases I (Anti Scl-70).
- Mixed connective **tissue disease** (MCTD) is often associated with anti-RNP/Sm.
- Dermatomyositis and polymyositis are often associated with **anti-Jo-1**

## PATIENT INFORMATION

<b>Clinical Information Required</b>	-
<b>Patient Collection Notes</b>	-

## COMMENTS & NOTES

**LOINC Code**

677-7, 32677-7

**Outwork**

No