

The presence of anti-double stranded DNA antibodies (anti-dsDNA) is indicative of systemic autoimmune diseases and can be used in conjunction with other clinical findings to aid in diagnosis of systemic lupus erythematosus, rheumatoid arthritis, Sjogren's syndrome, scleroderma, hepatitis, and other mixed connective tissue diseases. Monitoring the titer of anti-dsDNA antibodies can be used to gauge the effectiveness of treatment<sup>1-3</sup>. Anti-dsDNA antibodies are detected by indirect immunofluorescence on slides coated with the organism *Crithidia luciliae*, whose kinetoplast fluoresces in the presence of anti-dsDNA antibodies. Positive results are reported as a titer from 1:20 to 1:2560. All samples positive for anti-nuclear antibodies are reflexively tested for extractable nuclear antibodies (ENA) and anti-dsDNA antibodies. For more information, call the lab at 513-636-9820.

## Sample:

The only acceptable sample for this assay is serum collected in a gold top (SST) tube.

**Requested volume:** 1mL

## Shipping Conditions:

- Ambient if sent within 24 hours
- On wet ice if sent >24 hours after collection

## Testing Schedule:

Anti-dsDNA antibody testing is performed Tues and Thurs on first shift. For testing outside of this schedule, call the lab at 513-636-9820. **TAT:** 1-7 days

## CPT Codes:

86225

## Clinical Lab Index:

<https://www.testmenu.com/cincinnatichildrens/Tests/662831>

## Contact Information:

Cincinnati Children's Division of Pathology  
Molecular and Genomic Pathology Services (MGPS)

Phone: 513-636-9820

Fax: 513-803-2941

Email: [pathology@cchmc.org](mailto:pathology@cchmc.org)

Website: [cincinnatichildrens.org/pathology](http://cincinnatichildrens.org/pathology)

For pricing or billing questions, call 513-803-9264.

## Shipping Address:

Cincinnati Children's Hospital Medical Center  
Lab Processing, B4.127

Attn: Molecular and Genomic Pathology Services (MGPS)  
3333 Burnet Ave.

Cincinnati, OH 45229

## References:

1. Tan E. Autoantibodies to nuclear antigens (ANA): their immunobiology and medicine. *Adv Immunol.* 33:167-240. 1982.
2. Adams B, Mutasim D. The diagnostic value of anti-nuclear antibody testing. *Int J Dermatol.* 39:887-891. 2000.
3. Autoimmune Disease State Overview, <http://www.inovadx.com/store/categories/disease-state/80>, Inova Diagnostics, Inc. 10180 Scripps Ranch Blvd., San Diego, CA, 92131.