

# Extractable Nuclear Antibody ELISA

The presence of extractable nuclear antibodies (ENA) 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 presence of ENA can be used to gauge the effectiveness of treatment<sup>1-3</sup>. This procedure detects five antibodies directed against small ribonucleoproteins by enzyme-linked immunosorbent assay: SSa, SSb, RNP, Sm, Jo-1. The relative quantity of antibody in the patient serum can be determined by comparison with the known positive control. Positive results are reported as a numerical value. All samples positive for anti-nuclear antibodies are reflexively tested for extractable nuclear antibodies (ENA) and anti-double stranded DNA 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 cold packs if sent >24 hours after collection

## Testing Schedule:

ENA 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

## EPIC Test Code:

8000200

## CPT Code:

86225

## Clinical Lab Index:

<https://www.testmenu.com/cincinnatichildrens/tests/662832>

## Contact Information:

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

Phone: 513-636-9820

Fax: 513-517-7099

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

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

For pricing or billing questions, call 513-636-4261.

## Shipping Address:

Cincinnati Children's Hospital Medical Center

Attn: Molecular and Genomic Pathology Services (MGPS)

240 Albert Sabin Way, R2.001

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.