

ENA Antibody Profile

Synonyms

Extractable nuclear antibodies

Clinical Indication

Investigation of suspected connective tissue disease including:

- Sjögren's syndrome
- SLE
- Cutaneous lupus
- Neonatal lupus
- Congenital complete heart block
- Mixed Connective Tissue Disease
- Systemic Sclerosis
- Polymyositis
- Dermatomyositis

The ENA antibody profile gives results for antibodies against individual ENA antigens. Only samples found to be ENA screen positive will be referred for ENA profile testing unless clinical information suggests testing may be relevant. ENA profile testing will not be repeated more than once a year unless clinical features have changed.

It is essential to provide relevant clinical information.

Part of Profile / See Also

Anti-nuclear antibodies, CTD screen, ENA antibody screen

Request Form

Combined Pathology manual Blood form or ICE request

Availability / Frequency of Analysis

On request, with appropriate clinical details

Added to positive ANA or CTD screens

Turnaround Time

21 days

Patient Preparation

None required

Sample Requirements

Please note a separate sample is required when Immunology tests are requested in addition to Biochemistry tests

Specimen Type

Serum

Volume

2 ml

Container



Yellow top (SST) tube



Or Paediatric yellow top (SST) tube

Reference Range & Units

Results are reported semi-quantitatively as: Negative, + Positive, ++ Positive or +++ Positive

Interferences

Lipaemic, haemolysed or microbially contaminated samples may give poor results and should not be used.

Interpretation & Clinical

Decision Value (if applicable)

Weak results are unlikely to be clinically significant and + Positive results are of borderline significance.

Anti-Ro (SSA) Associated with Sjogren's, SLE, cutaneous lupus, neonatal lupus and congenital complete heart block

Anti-La (SSB) Associated with Sjogren's, SLE and neonatal lupus.

Anti-Sm Specific for SLE. Found in approximately 25-40% of patients but are reported to be seen most frequently in West Indians with SLE and are relatively rare in in caucasians.

Anti-RNP Associated with SLE and when occurring alone with MCTD.

Anti-Scl70 Found in 20-40% patients with progressive systemic sclerosis (PSS) and 20% of patients with limited sclerosis.

Anti-Jo1 Associated with polymyositis, pulmonary fibrosis and dermatomyositis.

Anti-centromere Seen in the limited cutaneous form of systemic sclerosis and the CREST syndrome. They can also be seen rarely in RA, Sjogren's syndrome, SLE. They can also be seen in PBC.

Pathology Clinical User Guide – Mid Essex Hospital Services NHS Trust (online)

References

Test code

ENAP

Lab Handling

Aliquot and store at 4-8°C prior to testing and at -20°C or below for up to 1 month after receipt.