ANTINUCLEARANTIBODY

Orderable - ANA
Turnaround Time: 5 days

Alternate Name(s):
ANA

Specimen:

<table>
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<tr>
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<th>Adult</th>
<th>Pediatric</th>
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<tr>
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<td>5 mL Gold top Vacutainer tube</td>
<td>0-2 years: Red 0.5 mL Microtainer</td>
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<tr>
<td></td>
<td>or 6 mL Red top Vacutainer</td>
<td>2-10 years: 3 mL Red top tube</td>
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<td>tube</td>
<td>EDTA, heparin or citrated plasma will also be accepted.</td>
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<td>Other fluids will not be accepted.</td>
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Collection Information:
Minimum volume of serum required is 0.5 mL.

Reference Ranges:
Negative <1:80

Interpretive Comments:
The following IFA patterns are reported as either negative or positive with a titre.

Homogenous
DFS
Speckled
Nucleolar
Centromere
Few Nuclear Dots
Multiple Nuclear Dots
Nuclear membrane
Topo-I like
PCNA-like
CENP F-like
Cytoplasmic Fibrillar
Cytoplasmic Lysosome
Cytoplasmic Dense Fine Speckled
ANTI NUCLEAR ANTIBODY

Cytoplasmic Fine Speckled
Cytoplasmic Golgi-like
Cytoplasmic Reticular
Cytoplasmic Rods and Rings
Mitotic

Depending on which pattern is positive, ANA samples will be followed up by Immunoblot testing with the following:

Chromosome Positive
Anti dsDNA
Anti Nucleosomes
Anti Histones
Anti DFS70
Anti Scl-70
Anti CENP A
Anti CENP B

ENA-Profile Plus 1
Anti nRNP/Sm
Anti Sm
Anti SS-A
Anti SS-B
Anti Ro-52
Anti Scl-70
Anti Jo-1

Liver Profile: (Only performed for ANA that is a part of the AILDP careset request)
AMA-M2
Anti M2-3E
Anti Ro-52
Anti Sp100
Anti PML
Anti gp210
Anti LKM-1
Anti LC-1
Anti SLA/LP

Immunoblot results will be reported as either negative or positive for specific antibodies as the following.

1+ Weak Positive
2+ Positive
3+ Strong Positive.

Interpretative comments for each of positive specific antibodies will be provided on reports.

The ANA test is a diagnostic aid only. Lower titre positive results may occur in apparently healthy people. Therefore, the results of this test must be interpreted in
the context of the patient’s total clinical presentation.

Positive ANA’s are seen in a small percentage of patients with infectious and/or neoplastic diseases. Negative ANA’s are seen in a small percentage of autoimmune patients.

**Comments:**

ANA should not be used to monitor disease activity. Positive ANA other than anti-dsDNA should not be repeated. If ANA was tested positive previously, repeat testing will not be processed.

Anti-dsDNA may correlate with disease activity and positive results can be repeated 1-3 months for active disease and 6-12 months for less active disease. Repeat testing for Anti-dsDNA within 1 month will not be processed.

If ANA is negative or borderline positive (1:80), repeat testing is allowed only if the patient has developed new symptoms of SARD and the minimum retesting interval is limited to 6 months. If ANA was negative of borderline positive, repeat testing within 6 months will not be processed.

Positive Speckled pattern will not be followed for children < 16 years of age.

**Specimen Stability:**

Store serum or plasma at 2-8°C for up to 14 days.

For longer storage, store at –20°C.