

| Procedure                              | Result              | Units | Ref Interval | Accession     | Collected          | Received           | Reported/Verified  |
|----------------------------------------|---------------------|-------|--------------|---------------|--------------------|--------------------|--------------------|
| Antinuclear Antibody (ANA), HEp-2, IgG | <b>Detected *</b>   |       | [<1:80]      | 20-169-900114 | 17-Jun-20 11:47:00 | 17-Jun-20 11:47:00 | 17-Jun-20 12:11:46 |
| ANA Pattern                            | <b>Centromere *</b> |       |              | 20-169-900114 | 17-Jun-20 11:47:00 | 17-Jun-20 11:47:00 | 17-Jun-20 12:12:13 |
| ANA Titer                              | <b>1:640 *</b>      |       |              | 20-169-900114 | 17-Jun-20 11:47:00 | 17-Jun-20 11:47:00 | 17-Jun-20 12:11:59 |
| ANA Pattern 2                          | <b>Speckled *</b>   |       |              | 20-169-900114 | 17-Jun-20 11:47:00 | 17-Jun-20 11:47:00 | 17-Jun-20 12:12:09 |
| ANA Titer 2                            | <b>1:640 *</b>      |       |              | 20-169-900114 | 17-Jun-20 11:47:00 | 17-Jun-20 11:47:00 | 17-Jun-20 12:12:05 |
| Cytoplasm Pattern                      | <b>Golgi-like *</b> |       |              | 20-169-900114 | 17-Jun-20 11:47:00 | 17-Jun-20 11:47:00 | 17-Jun-20 12:12:19 |
| Cytoplasmic Titer                      | <b>1:160 *</b>      |       |              | 20-169-900114 | 17-Jun-20 11:47:00 | 17-Jun-20 11:47:00 | 17-Jun-20 12:12:17 |
| ANA Interpretive Comment               | See Note            |       |              | 20-169-900114 | 17-Jun-20 11:47:00 | 17-Jun-20 11:47:00 | 17-Jun-20 12:11:46 |

17-Jun-20 11:47:00 ANA Interpretive Comment  
 Centromere Pattern  
 Clinical associations: SSc, PBC  
 Main autoantibodies: Anti-centromere A/B@

Speckled Pattern  
 Clinical associations: SLE, SSc, SjS, DM, PM, MCTD, UCTD. May also be found in healthy individuals  
 Main autoantibodies: Anti-SSA-52 (Ro52), anti-SSA-60 (Ro60), anti-SS-B/LA, anti-Topo-1 (anti-Scl-70), Smith, anti-U1-RNP, anti-U2-RNP, anti-Mi-2, anti-TIF1g, anti-Ku, anti-RNA polymerase, anti-DFS70/LEDGF-P75

Polar/Golgi-like pattern  
 Clinical Associations: Variety of conditions, including SjS, SLE, RA, MCTD, GPA, idiopathic cerebellar ataxia, paraneoplastic cerebellar degeneration, adult Still disease, and viral infections, including HIV and EBV.  
 Main autoantibodies: no available tests

List of Abbreviations  
 Antisynthetase syndrome (ARS), chronic active hepatitis (CAH), inflammatory myopathies (IM) [dermatomyositis (DM), polymyositis (PM), necrotizing autoimmune myopathy (NAM)], interstitial lung disease (ILD), juvenile idiopathic arthritis (JIA), mixed connective tissue disease (MCTD), primary biliary cholangitis (PBC), rheumatoid arthritis (RA), systemic autoimmune rheumatic diseases (SARD), Sjogren syndrome (SjS), systemic lupus erythematosus (SLE), systemic sclerosis (SSc), undifferentiated connective tissue disease (UCTD).

17-Jun-20 11:47:00 ANA Interpretive Comment:  
 INTERPRETIVE INFORMATION: ANA Interpretive Comment

Presence of antinuclear antibodies (ANA) is a hallmark feature of systemic autoimmune rheumatic diseases (SARD). However, ANA lacks diagnostic specificity and is associated with a variety of diseases (cancers, autoimmune, infectious, and inflammatory conditions) and may also occur in healthy individuals in varying prevalence. The lack of diagnostic specificity requires confirmation of positive ANA by more specific serologic tests. ANA (nuclear reactivity) positive patterns reported include centromere, homogeneous, nuclear dots, nucleolar, or speckled. ANA (cytoplasmic reactivity) positive patterns reported include reticular/AMA, discrete/GW body-like, polar/golgi-like, cytoplasmic speckled or rods and rings. All positive patterns are reported to endpoint titers (1:2560). Reported patterns may help guide differential diagnosis, although they may not be specific for individual antibodies or diseases. Mitotic staining patterns not reported. Negative results do not necessarily rule out SARD.

\* Abnormal, # = Corrected, C = Critical, f = Footnote, H = High, L = Low, t = Interpretive Text, @ = Reference Lab