Connective Tissue Disease Cascade (CTDC)

CTDC / Connective Tissue Diseases Cascade, Serum

- Cyclic Citrullinated Peptide Antibodies, IgG, Serum
  - ≥20 U: Positive result supports the diagnosis of RA
  - <20 U: No further testing

- Antinuclear Antibodies (ANA), Serum
  - <3.0 U: No further testing
  - ≥3.0 U: DNA Double-Stranded (dsDNA) Antibodies with Reflex, IgG, Serum
    - 30-75 IU/mL: CRITH / DNA Double-Stranded (dsDNA) Antibodies by Crithidia luciliae IFA, IgG, Serum
      - Positive result supports the diagnosis of LE
      - Negative result: Unable to confirm borderline positive result obtained by EIA
    - >75 IU/mL: CRITH / DNA Double-Stranded (dsDNA) Antibodies by Crithidia luciliae IFA, IgG, Serum
      - Positive result supports the diagnosis of LE

- Antibody to Extractable Nuclear Antigen Evaluation, Serum
  - This test includes the following IgG antibodies, which are automatically performed:
    - SS-A/Ro
    - SS-B/La
    - Sm
    - RNP
    - Scl 70
    - Jo 1
  - ≥1.0 U: Positive result supports the diagnosis of LE

- Antinuclear Antibodies (ANA), Serum
  - ≤3.0 U: No further testing

- Centromere Antibodies, IgG, Serum
  - ≥1.0 U: Positive result supports the diagnosis of LE and may indicate the presence of CNS involvement

- Ribosome P Antibodies, IgG, Serum
  - ≥1.0 U: Positive result supports the diagnosis of LE

CNS=central nervous system
CREST=calcinosis, Raynaud disease, esophageal motility disorder, sclerodactyly, and telangiectasia.
CTD=connective tissue disease
SLE=systemic lupus erythematosus

NOTE: Positive results not diagnostic for any CTD and should be interpreted within the clinical context of the patient.