**Connective Tissue Disease Cascade (CTDC)**

CTDC / Connective Tissue Diseases Cascade, Serum

- **Cyclic citrullinated peptide antibodies, IgG**
  - ≥20 U: Positive result supports the diagnosis of rheumatoid arthritis
  - <20 U: STOP
  - ≥3 U: STOP

- **Antinuclear antibodies (ANA)**
  - <3 U: No further testing required

**Antibody to extractable nuclear antigen evaluation**

This test includes the following IgG antibodies, which are automatically performed:

- SS-A/Ro
- SS-B/La
- Sm
- RNP
- Scl 70
- Jo 1

**DNA double-stranded (dsDNA) antibodies with reflex, IgG**

- ≥30 IU/mL: CRITH / DNA Double-Stranded (dsDNA) Antibodies by Crithidia luciliae IFA, IgG, Serum
  - CRITH IFA: Positive result supports the diagnosis of systemic lupus erythematosus (SLE)
  - Negative result unable to confirm borderline positive result obtained by EIA

- >75 IU/mL: Positive result supports the diagnosis of SLE

**Ribosome P antibodies, IgG**

- ≥1 U: Positive result supports the diagnosis of SLE and may indicate the presence of central nervous system involvement

**Centromere antibodies, IgG**

- ≥1 U: Positive result supports the diagnosis of CREST (calcinosis, Raynaud disease, esophageal motility disorder, sclerodactyly, and telangiectasia) syndrome

**SS-A/Ro Antibodies**

- ≥1 U: Positive result supports the diagnosis of Sjögren syndrome or other connective tissue disease (CTD)

**SS-B/La Antibodies**

- ≥1 U: Positive result supports diagnosis of Sjögren syndrome or other CTD

**Sm Antibodies**

- ≥1 U: Positive result supports diagnosis of SLE

**RNP Antibodies**

- ≥1 U: Positive result supports diagnosis of mixed connective tissue disease

**Scl 70 Antibodies**

- ≥1 U: Positive result supports diagnosis of scleroderma

**Jo 1 Antibodies**

- ≥1 U: Positive result supports diagnosis of polymyositis

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