Lab Dept:	**Serology**
Test Name:	**CENTROMERE ANTIBODIES, IGG**

General Information

Lab Order Codes:	CENA
Synonyms:	Anti-Centromere Antibodies; ACA; CREST
CPT Codes:	83516 – Immunoassay for analyte other than infectious agent antibody or infectious agent antigen; quaLitative or semi-quantitative, multiple step method
Test Includes:	Centromere antibody reported as negative or positive.

Logistics

Test Indications:	Evaluating patients with clinical signs and symptoms compatible with systemic sclerosis including skin involvement, Raynaud's phenomenon, and arthralgias.
Lab Testing Sections:	Serology - Sendouts
Referred to:	Mayo Medical Laboratories (MML Test: CMA)
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	1 – 3 days, test set up Monday through Saturday
Special Instructions:	N/A

Specimen

Specimen Type:	Blood
Container:	SST (Gold, marble or red)
Draw Volume:	1.5 mL (Minumum: 1.1 mL) blood
Processed Volume:	0.5 mL (Minimum: 0.35 mL) serum
Collection:	Routine blood collection

Special Processing: Lab Staff: Centrifuge specimen, remove serum aliquot into screw-capped round bottom plastic vial. Store and ship refrigerated. Forward promptly.

Patient Preparation: None

Sample Rejection: Specimens other than serum, warm specimens, gross hemolysis, gross lipemia, mislabeled or unlabeled specimens

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Interpretive

Reference Range:

All Ages:	<1.0 U	Negative
	≥1.0 U	Positive

Interpretation: In various reported clinical studies, Anti-Centromere Antibodies occur in 50-96% of patients with CREST syndrome.

A positive test for Centromere Antibodies is strongly associated with CREST syndrome. The presence of detectable levels of centromere antibodies may antedate the appearance of diagnostic clinical features of CREST syndrome, in some cases by several years.

Critical Values: N/A

Limitations: Centromere antibodies have also been described in some patients with primary biliary cirrhosis, and may occur in patients with rheumatoid arthritis or lupus erythematosus.

Methodology: Multiplex Flow Immunoassay

References: Mayo Medical Laboratory Web Page January 2018

Updates:
1/6/2006: CPT 2006 changes
11/1/2007: Addition of units and numeric reporting along with negative and positive results. Change in method, previously listed as EIA. CPT update, previously listed as 83516.
4/11/2011: CPT change from 88184 to 83520.
1/28/2016: CPT change from 83520 to 83516
1/17/2018: Collection container update.