

Technical Data

Kit Size	96 test
Assay Timing	30+15+15 minutes
Standards	0, 10, 30, 100, 300U/ml
Normal Values	Less than 10U/ml
Typical CVs	Less than 10%
Quality Control	Positive and negative controls included
Microplate Photometer	450nm
Product code	GD104

Centromere B Antibodies

The Genesis Centromere B IgG kit is a rapid ELISA method for the detection of autoantibodies to centromere B.

Anti-centromere B antibodies recognise a family of proteins that remain in the centromere region of eukaryotic cells throughout the cell cycle. Autoantibodies directed against centromere B have been identified as a marker for a variant form of systemic scleroderma, termed "CREST" (Calcinosis, Raynaud's phenomenon, Oesophageal involvement, Sclerodactyly, Telangieciastasia) syndrome.

Patients with CREST syndrome have a limited cutaneous form of systemic sclerosis, are predominantly female and may have a better long-term prognosis than patients without anti-centromere B antibodies. Up to 70% of all CREST patients exhibit these antibodies. Raynaud's phenomenon is often the first symptom of systemic scleroderma and, therefore, the detection of anti-centromere B antibodies in such patients may be of prognostic significance.

Anti-centromere B antibodies have also been found in 10-20% of sera from patients with primary biliary cirrhosis, a condition that often overlaps with systemic scleroderma. The presence of anti-centromere B antibodies in patients with primary biliary cirrhosis identifies those with features of systemic scleroderma, such as Reynaud's phenomenon and sclerodactyly.

G · E · N · E · S · I · S
Diagnos^tics

Eden Research Park, Henry Crabb Road, Littleport, Cambridgeshire CB6 1SE, UK
Telephone 0044 (0) 1353 862220 Facsimile 0044 (0) 1353 863330
Email: genesis@elisa.co.uk Web: <http://www.elisa.co.uk>

A subsidiary Company of


Omega
D I A G N O S T I C S
G R O U P P L C