

# Auto Abs against extractable nuclear antigens ENAS

## ENA - Disease associations

|                           | ANA    | ds-DNA | ss-DNA | His-tone | sm    | U1-RNP | SSA   | SSB   | scl 70 | Further AABs |
|---------------------------|--------|--------|--------|----------|-------|--------|-------|-------|--------|--------------|
| Discoid lupus eryth.      | 90-100 | 25     |        |          |       | 30     |       |       |        |              |
| Drug-induced lupus eryth. |        | 3      | pos.   | 90       |       |        |       |       |        |              |
| Systemic lupus eryth.     | 90-100 | 50-90  |        | 10-40    | 30-40 | 30-50  | 25-40 | to 15 |        | Cardiolipin  |
| Mixed collagen. (MCTD)    | 90-100 | to 20  |        |          | to 10 | 90-100 | 10-20 | to 10 |        |              |

|                              | ANA    | ds-DNA | ss-DNA | His-tone | sm | U1-RNP | SSA   | SSB   | scl 70 | Further AABs   |                  |                            |
|------------------------------|--------|--------|--------|----------|----|--------|-------|-------|--------|----------------|------------------|----------------------------|
| Progress. sclerodermia       | 30-90  | to 25  |        |          |    | to 20  |       |       | to 40  |                | Centromere to 35 | Rheum. Factor s Ab         |
| CREST-syndrome               | 90-100 | to 10  |        |          |    |        |       |       | to 10  |                | Centromere to 80 |                            |
| Dermato/polymyos.            | 20-60  | to 20  |        |          |    | to 15  | to 10 |       |        | PM-1 to 65     | Jo-1 pos.        | Mi 2, Ku, striated muscles |
| Sjogren syndrome             | 50-90  | to 25  |        |          |    | to 15  | 10-60 | 10-60 | to 20  | Parotis-Ab     | Centromere to 15 | Rheum. Factor s Ab         |
| Chronic aggressive hepatitis | 30-50  |        | to 60  |          |    |        |       |       |        | ASMA, LMA, LKM | Centromere to 10 |                            |
| Rheumat. Arthritis           | 25-50  | to 20  | pos.   | to 25    |    | to 15  | to 20 | to 15 | -      | RF, CCP        | Centromere to 10 |                            |

ASMA = Antibodies against smooth muscles

LMA = Antibodies against Liver-Membrane-Antigen

LKM = Antibodies against Liver-Kidney-Membrane

MCTD = Mixed connective tissue disease

CREST = **c**alcinosis, **R**aynaud phenomenon, **e**sophageal dysmotility, **s**clerodactyly and **t** elangiectasia

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit  
<http://www.fml-dubai.com/parameter-listings/>