Recommended test algorithm using the AI-Line

AI Line
The reliable autoimmune ELISA product line

Systemic sclerosis (SSc) | **Systemic lupus erythematosus (SLE)** | **Mixed connective tissue disease (MCTD)** | **Sjögren Syndrome (SjS)** | **Polymyositis (PM)**

ANA Screen (dsDNA, Scl-70, CENP, Ro52, Ro60, La, Jo-1, Sm, RNP, PM1-Alpha)

Systemic sclerosis (SSc)

neg / pos

optional:
- CENP 20-30%
- Scl-70 20-25%
- Ro52 20-40%
- PM1-Alpha 5-10%
- RNP/Sm 5-15%

↓ neg

other ELISA
e.g. dsDNA, Ro60, La, Rib-P, Jo-1

Systemic lupus erythematosus (SLE)

neg / pos

optional:
- dsDNA 25-50%
- RNP/Sm 20-30%
- Ro52 20-40%
- Sm 10-20%
- Rib-P 10-20%

↓ neg

other ELISA
e.g. CENP, Ro60, La, Jo-1, Scl-70, PM1-Alpha

Mixed connective tissue disease (MCTD)

neg / pos

optional:
- RNP/Sm 100%
- Ro52 ~ 60%
- Ro60 ~ 40%
- dsDNA <10%
- CENP <5%

↓ neg

other ELISA
e.g. dsDNA, Ro60, La, Rib-P, Jo-1, CENP

Sjögren Syndrome (SjS)

neg / pos

optional:
- Ro60 60-80%
- La 40-90%
- Ro52 60-80%
- RNP/Sm 3-8%
- dsDNA <10%

↓ neg

other ELISA
e.g. dsDNA, CENP, Rib-P, Jo-1, Sc-l70

Polymyositis (PM)

neg / pos

optional:
- Jo-1 20-30%
- Ro52 20-30%
- Ro60 20-30%
- RNP/Sm <10%
- PM1-Alpha 5-10%

↓ neg

other ELISA
e.g. dsDNA, Ro60, La, Rib-P, Jo-1, Scl-70, CENP

Other methods (e.g. ANA IIF, LIA)

Prevalence values (in %) are based on average values taken from literature

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