**Autoimmune** 

# Thermo Scientific Expanded ENA Screen and Discrete Well Testing

Fully automated EliA<sup>™</sup> Extractable Nuclear Antigen (ENA) assays can be used in conjunction with other laboratory and clinical findings to aid in the diagnosis of connective tissue diseases (CTD).

# Independently, or in conjunction with ANA IFA, EliA CTD assays offer numerous advantages.

Balanced sensitivity and specificity for the most clinically relevant markers allows customers to provide results with confidence. The ability to run Phadia<sup>TM</sup> Laboratory Systems with automated reflex allows for efficient testing capabilities.

Consistency and reproducibility of results limits the factors that affect ANA IFA results and lead to inter and intra-laboratory differences.

#### These factors include:1

- Cell type
- Fixation procedure
- Dilution of patient serum
- Inspection time
- Day-to-day performance
- Experience level of the microscopist
- Microscope variation

Understanding the complexity of IFA6

Understanding the complexity of IFA					
Antigen		ANA Pattern			
RNP, Sm, SSA/Ro		Peripheral (rim)			
dsDNA Histones		Homogenous (diffuse)			
Sm RNP SSA/Ro, SSB/La	Jo-1 ScI-70 Ribosomal-P	Speckled O O O O O O O O O O O O O O O O O O O			
CENP (A-E)		Centromere			
RNP RNA Pol I-III PM-Scl		Nucleolar			

Superior reliability for the detection of dsDNA, Ro (SS-A), and Jo-1 activity compared to ANA IFA.<sup>1,2</sup> These autoantibodies have high prevalence in certain CTDs (see chart below) and are included in classification criteria.<sup>3-5</sup>

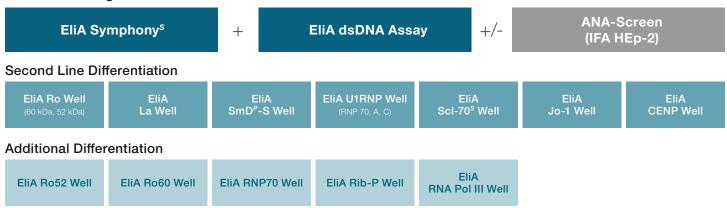
See our EliA test menu for complete offering.



#### Broad menu crafted for deep insights

A broad menu of clinically relevant markers provides efficient diagnostic pathways. The EliA autoimmunity solutions menu is flexible, enabling labs to offer the appropriate level of differentiation for all the clinicians they serve.

#### First Line Testing



### ENA prevalence within individual Connective Tissue Diseases7-17

Antigen	Systemic Lupus Erythematosus	Sjögren's Syndrome	Systemic Sclerosis	Idiopathic Inflammatory Myopathies	Mixed Connective Tissue Disease
dsDNA					
Sm					
<b>SS-A/Ro</b> (60k Da, 52 kDa)					
SS-B/La					
<b>U1RNP</b> (70, A, C)					
ScI-70					
Jo-1					
CENP					
RNP-70					
Ro60*					
Ro52*					
Rib-P					
RNA Pol III					
Isolated					
Prevalence percentage k	ev:		up to 30%	up to 65%	up to 100%

## Learn more at thermofisher.com/CTD

1. Baronaite R, et al. Autoimmume Diseases 2014; http://dx.doi.org/10.1155/2014/534759. 2. Bossut X and Luyckx A. Clin Chem 2005; 51: 2426-2427. 3. Aringer M, Costenbader K, Daikh D, et al. 2019 European League Against Rheumatism/American College of Rheumatology Classification Criteria for Systemic Lupus Erythematosus. Arthritis Rheumatol. 2019;7(9):1400-1412. doi:10.1002/art.40930.4. Shibosski, C.H., et al. (2017). EURAPHACP dassification criteria for a valid transition criteria for Systemic Lupus Erythematous and Data Policy and Language and Data Policy and Language

