T1 Comparison of various features and characteristics of ANA testing by IIF, EIA, and MIA.

Methodology		Analytical Characteristics				Clinical Characteristics		
Name	Abbreviation	Antigen	Solid-phase Support	Detection Antibody	Label	Reporting	Interpretation	Diagnostic Utility
Indirect immuno-fluorescence	IIF	HEp-2 cells	Slide	Anti-human immuno-globulin	Fluorescent molecule	Titer and pattern	Subjective	Maximizes sensitivity, particularly at low ti-ters, although limited by low specificity
Enzyme immunoassay	EIA	HEp-2 cell lysate or other mixture of proteins representing HEp-2 cells	96-well plate		Enzyme	Numeric value with arbitrary unit	Objective	Improved specificity compared to IIF, with slightly decreased sensitivity
Multiplex immunoassay	MIA	Individual ANA antigen specificities	Polystyrene microsphere		Fluorescent molecule	Qualitative	Objective	Overall, good balance of sensitivity and specificity