The following table lists the prevalence of each multiplex autoantibody in various CTD's. It is important to remember that many of these autoantibodies, while quite specific for individual diseases, are relatively insensitive and may be absent in patients with disease. Close correlation with the clinical presentation is key to the diagnosis of CTD's.

Association of Disease and Antibody Patterns

Bio-Rad Laboratories BIOPLEX 2200 SYSTEM

Association of Disease and Antibody Patterns

IFA Pattern	Antibody	BioPlex 2200 ANA Screen Antibody Prevalence						
		Targeted Connective Tissue Diseases						Normal Population
		Systemic Lupus Erythematosus[1]	Systemic Lupus Erythematosus[2]	Mixed Connective Tissue Disease[2]	Sjögren's Syndrome[2]	Scleroderma[2]	Polymyositis[2]	Blood bank[3]
		34 patients with active SLE	332 unselected SLE patients					
Speckled	SSA (60kD + 52kD)	52%	33%	13%	>80%	23%	42%	<2%
Speckled	SSB	27%	13%	<2%	>80%	5%	<2%	<2%
Speckled	Sm	42%	15%	31%	<2%	5%	8%	<2%
Speckled	Sm RNP	45%	23%	>80%	<2%	7%	<2%	<2%
Speckled	RNP (A + 68kD)	48%	22%	>80%	<2%	9%	8%	2%
Homogeneous	Chromatin	73%	37%	>80%	12%	14%	8%	<2%
Homogeneous	dsDNA	45%	28%	12%	6%	9%	<2%	<2%
Mixed	Scl-70	3%	2%	7%	<2%	16%	<2%	<2%
Cent	Centromere B	12%	3%	7%	<2%	27%	<2%	<2%
Cytoplasmic	Ribosomal P	30%	9%	7%	<2%	<2%	<2%	<2%
Cytoplasmic	Jo-1	<2%	<2%	7%	<2%	<2%	17%	<2%
	BioPlex™2200 ANA Screen Positive Rate	94%	66%	100%	94%	66%	50%	7%

Legend: Diagnostic criteria Frequently elevated

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