

Autoimmunity

Setting the standard

EliA™ autoimmune rheumatic disease testing:

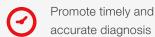
Primary care considerations

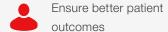
Autoimmune rheumatic diseases (ARDs) are chronic inflammatory autoimmune disorders which include rheumatoid arthritis (RA), systemic lupus erythematosus (SLE), Sjögren's syndrome (SS), systemic sclerosis (SSc), idiopathic inflammatory myopathies (IIM), and mixed connective tissue disease (MCTD).1 Rheumatologic conditions necessitate prompt diagnosis and early treatment to help avoid permanent end-organ damage.^{2,3}

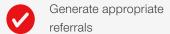


Autoimmune related testing cascades have been shown in one study, to reduce rheumatologist referral wait times by as much as 50%.3

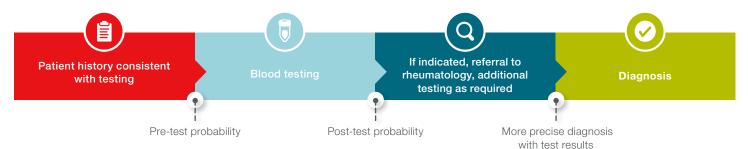
Optimized blood testing in primary care can help:1,3-5





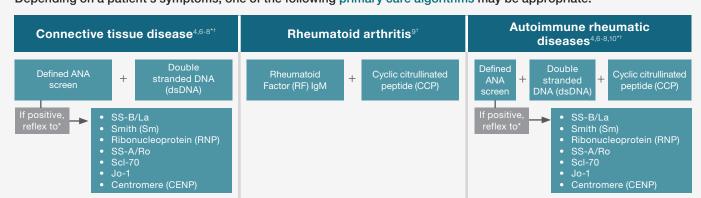


Steps to a diagnosis 1,3,5



Consider rheumatic disease serology profiles:

Depending on a patient's symptoms, one of the following primary care algorithms may be appropriate.



^{*}The Connective Tissue Disease or ARDs profile can be run without or alongside an ANA-Screen (IFA Hep-2). Reflex testing should be specific to the tests covered within the defined ANA screen.

[†]Official Well product names for tests mentioned within this document are EliA Symphony^s Well (Defined ANA screen), EliA dsDNA Well, EliA RF IgM Well, EliA CCP Well, EliA U1RNP Well, EliA Jo-1 Well, EliA SmD^P-S Well, EliA Ro Well (52kDA, 60kDA), EliA La Well, EliA CENP Well, EliA ScI-70^SWell

Testing profile interpretation considerations:

CCP and/or RF IgM	+	 Supportive of the diagnosis of rheumatoid arthritis^{2,9} Consider referral to rheumatologist, as early intervention is essential for proper patient management^{2,9}
	-	 Negative serology does not eliminate the possibility of RA, but does decrease the likelihood of having RA²
Defined ANA screen and/or dsDNA	+	 Autoimmune disease more likely, consider referral to rheumatologist^{1,7} Individual autoantibodies have increased prevalence in certain connective tissue diseases and most are included in certain classification criterias as follows: dsDNA: Systemic lupus erythematosus^{1,11} SS-A/Ro: Systemic lupus erythematosus, Sjögren's syndrome, idiopathic inflammatory myopathies^{1,12} SS-B/La: Systemic lupus erythematosus and Sjögren's syndrome¹ RNP: Systemic lupus erythematosus, idiopathic inflammatory myositis, systemic sclerosis, mixed connective tissue disease^{1,13} ScI-70: Systemic sclerosis^{1,13} Jo-1: Idiopathic inflammatory myopathies^{1,14} CENP: Systemic sclerosis^{1,13} Sm: Systemic lupus erythematosus^{1,11}
Defi	-	 Negative serology does not eliminate the possibility of autoimmunity, but does decrease the likelihood⁷ If there is a high suspicion of autoimmunity, consider ANA-IIF testing⁷ If there is a low suspicion of autoimmunity, consider alternative diagnoses⁷

EliA[™] assays help provide diagnostic clarity for patients with autoimmune rheumatic disorders^{7,8,15} and, in the case of EliA CCP IgG, can even support the prediction of disease prior to symptom onset.¹⁵

References

1. Goldblatt F, O'Weill SG. Clinical aspects of autoimmune rheumatic diseases. Lancet. 2013 Aug 31;382(9894):797-808. doi: 10.1016/S0140-6736(13)61499-3. PMID: 23933190. 2. Cush JJ. Rheumatoid Arthritis: Early Diagnosis and Treatment. Med Clin North Am. 2021 Mar;105(2):355-365. doi: 10.1016/j.mcna. 2020.10.006. PMID: 33589108. 3. Chen, Lei et al. "Algorithmic Approach With Clinical Pathology Orosultation Improves Access to Specially Care for Patients With Systemic Lupus Erythematosus." American journal of I clinical pathology you. 146, 3 (2016): 312-8. doi:10.1093/jacya/124. 8. Little-pathology you. 146, 3 (2016): 312-8. doi:10.1093/jacya/124. 9. Little-pathology you. 146, 3 (2016): 312-8. doi:10.1093/jacya/124. 9. Little-pathology you. 146, 3 (2016): 312-8. doi:10.1093/jacya/124. 9. Little-pathology you. 146, 3 (2016): 312-8. doi:10.1096/jacya-2018.02.010. PMID: 29759122. 6. Tebo AE. Recent Approaches To Optimize Laboratory Assessment of Antinuclear Antibodies. Clin Vaccine Immunol. 2017 Dec 5;24(12):e00270-17. doi: 10.1128/CVI.00270-17. PMID: 29021301; PMID: PMID: 717181. 7. Van Praet JT, et al. Validation of a new screening strategy for anti-extractable nuclear antibodies. Clin Exp Rheumatol. 2009 Nov-Dec;27(6):971-6. PMID: 20143314. 8. donazile get a considerable for a considerabl



