

Patient Name : Demo Patient Name
Age / Sex : 31 Y / F
Referred By : DEMO HOSPITAL
Centre : HOD Head Office

Lab No : Demo Visit No
Registration On : 18-Jan-25 09:18
Patient ID : UHID.DEMO.001

Anti Nuclear Antibody

Serum Sample

Accession No: DEMO_BARCODE Collected On: 18-Jan-25 09:18 Received On: 18-Jan-25 13:37 Approved On: 18-Jan-25 14:30

Observation	Result	Unit	Biological Ref. Interval	Method
Anti Nuclear Antibody	7.5	CU	<20 - Negative ≥20 - Positive	CLIA

About the Test Procedure:

- A Positive result indicates the presence of ANA antibodies and suggests the possibility of rheumatic diseases such as systemic lupus erythematosus, Sjogren's syndrome, scleroderma, and/or mixed connective tissue disease.
- A Negative result indicates none of the antibodies tested for are present or are below the levels of the negative cut-off for the assay.

Sample results should be interpreted as follows:

-A negative result generally indicates that none of the antibodies tested are present in the patient's circulation, but does not always rule out the presence of a specific rheumatic disease, because patients with connective tissue diseases may score negative for anti-nuclear antibodies.
-A positive result generally indicates the presence of anti-nuclear antibodies and may suggest the existence of connective tissue diseases. However, the presence of circulating anti-nuclear antibodies is not a diagnosis of rheumatic disease, because apparently healthy individuals who are ANA-positive may score negative for clinically important autoantibodies.

Clinical Significance of Anti Nuclear Antibody:

The presence of one or more circulating serum antibodies to nuclear antigens is a hall mark of systemic rheumatic diseases. A negative ANA test virtually rules out a diagnosis of systemic lupus erythematosus but a positive test may be indicative of a number of connective tissue diseases such as scleroderma, rheumatoid arthritis and Sjogren's syndrome. ANA test carried out by immunofluorescence assay using HEP-2 slide (tissue culture substrate) is more sensitive and specific than ANA carried out by enzyme immunoassay.

Please correlate results with clinical conditions.

ASMA (Anti Smooth Muscle Antibody)

Serum Sample

Accession No: DEMO_BARCODE Collected On: 18-Jan-25 09:18 Received On: 18-Jan-25 13:37 Approved On: 20-Jan-25 15:58

Observation	Result	Unit	Biological Ref. Interval	Method
Anti Smooth Muscle Antibody (ASMA)	Negative			Indirect Immunofluorescence

Clinical Significance of ASMA:

- Anti smooth muscle antibodies (ASMA) are found at high titer in 70% patients with chronic active hepatitis.
- Low titer antibodies may be found in the sera of patients with viral infections, malignancies and in the normal population.
- ASMA show discrete staining of the muscularis layer of rodent stomach and be seen on the inner muscular layer of blood vessels in rodents kidney

Please correlate results with clinical conditions.



This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

Liver-Kidney Microsome (LKM-1)

Serum Sample

Accession No: DEMO_BARCODE Collected On: 18-Jan-25 09:18 Received On: 18-Jan-25 13:37 Approved On: 19-Jan-25 15:41

Observation	Result	Unit	Biological Ref. Interval	Method
Liver Kidney Microsome (LKM1)	0.679	CU	<20	CLIA



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Biological Reference Range for Liver Kidney Microsome-1 (LKM1):

- Negative: Less Than 20 CU
- Intermediate (Borderline): 20-30 CU
- Positive : More Than 30 CU

Technology:Test Performed on Fully Automated - ACL Acustar - CLIA Analyzer

Clinical Significance of Anti-Liver Kidney Microsomal (LKM1):
Autoimmune hepatitis (AIH) is a distinct chronic inflammatory liver disease, characterized by the attack of the immune system directed against "self" antigens, especially those expressed in the liver 1, 2. It occurs in both sexes and all age groups, however, women are more likely victims of AIH than men. In women, 70 % of diagnosed cases of AIH occur between the ages of 15 and 40. Hepatomegaly and splenomegaly are the most common pathological findings associated with AIH. Abnormalities of the immune system that mark AIH include autoantibodies to liver antigens, hyper-gammaglobulinemia, and an increased CD4/CD8 ratio in peripheral blood and liver. Liver-Kidney Microsomal (LKM1) antibodies can be induced not only by autoimmune mechanisms, but also by drugs such as tienic acid, dihydralazine, halothane, phenytoin, phenobarbital, carbamazepine and by Hepatitis C and D infections.

Remarks: Please correlate results with clinical conditions.



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Anti Mitochondrial Antibody					Serum Sample
Accession No: DEMO_BARCODE	Collected On: 18-Jan-25 09:18	Received On: 18-Jan-25 13:37	Approved On: 18-Jan-25 14:31		
Observation	Result	Unit	Biological Ref. Interval	Method	
Mitochondrial Antibody (M2-MIT3)	< 1.2	CU	<20:Negative 21-30:Weak Positive >30:Positive	CLIA	

Biological Reference Range for Anti Mitochondrial Antibody:

- Negative: Less Than 20 CU
- Intermediate (Borderline): 20-30 CU
- Positive : More Than 30 CU

Technology:Test Performed on Fully Automated - ACL Acustar - CLIA Analyzer

Remarks: Please correlate results with clinical conditions.

AMA By IFA					Serum Sample
Accession No: DEMO_BARCODE	Collected On: 18-Jan-25 09:18	Received On: 18-Jan-25 13:37	Approved On: 20-Jan-25 16:09		
Observation	Result	Unit	Biological Ref. Interval	Method	
Mitochondrial Antibody (IIF)	Negative				

Remarks :Please correlate results with clinical conditions.

					Serum Sample
Accession No: DEMO_BARCODE	Collected On: 18-Jan-25 09:18	Received On: 18-Jan-25 13:37	Approved On: 20-Jan-25 16:09		
Observation	Result	Unit	Biological Ref. Interval	Method	
Liver-Kidney Microsome-1 (IIF)	Negative				

Remarks :Please correlate results with clinical conditions.



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Anti Parietal Cell Antibody

Serum Sample

Accession No: DEMO_BARCODE **Collected On:** 18-Jan-25 09:18 **Received On:** 18-Jan-25 13:37 **Approved On:** 20-Jan-25 16:09

Observation	Result	Unit	Biological Ref. Interval	Method
Parietal Cell Antibody	Negative			



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Sample Report

