



Labsmart Software Sample Letterhead

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Age / Sex : 28 YRS / M
Referred by : Dr. Sachin Patil (MBBS)
Reg. no. : 1094



1094

Registered on : 19/11/2024 05:21 PM
Collected on : 19/11/2024
Received on : 19/11/2024
Reported on : 19/11/2024 05:21 PM

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**SEROLOGY & IMMUNOLOGY**

TEST	VALUE	UNIT	REFERENCE
ANTI NUCLEAR ANTIBODY (ANA) BY ELISA	18	Units	

Physiological basis

Heterogeneous antibodies to nuclear antigens (DNA and RNA, histone, and nonhistone proteins). Nuclear antibody is measured in serum by layering the patient's serum over human epithelial cells and detecting the antibody with fluorescein conjugated polyvalent antihuman immunoglobulin. Enzyme-linked immunosorbent assay (ELISA) is also available for ANA detection, but has lower sensitivity for systemic lupus erythematosus (SLE) compared with immunofluorescence assay (IFA).

Interpretation

Elevated in: Patients over age 65 (35–75%, usually in low titers), SLE (98%), drug- induced lupus (100%), Sjögren syndrome (80%), rheumatoid arthritis (30–50%), scleroderma (60%), mixed connective tissue disease (100%), Felty syndrome, mononucleosis, hepatic or biliary cirrhosis, hepatitis, leukemia, myasthenia gravis, dermatomyositis, polymyositis, chronic renal failure.

Comments

A negative ANA test does not completely rule out SLE, but alternative diagnoses should be considered. The pattern of ANA staining may give some clues to diagnosis, but because the pattern also changes with serum dilution, it is not routinely reported. Only the rim (peripheral) pattern is highly specific (for SLE). Not useful as a screening test. Should be used only when there is clinical evidence of a connective tissue disease.

~~~ End of report ~~~

Mr. Sachin Sharma  
DMLT, Lab Incharge

Dr. A. K. Asthana  
MBBS, MD Pathologist

**NOT VALID FOR MEDICO LEGAL PURPOSE**

Work timings: Monday to Sunday, 8 am to 8 pm

Please correlate clinically. Although the test results are checked thoroughly, in case of any unexpected test results which could be due to machine error or typing error or any other reason please contact the lab immediately for a free evaluation.