Anti-Nuclear Antibody

PCNA Cenp-A PL-12 SLE PL-7 MCTD RNP
Sm Histone Nucleosome SARD
Scl-70 PM DM Cenp-B
dsDNA Scl-70 AMA-M2
Jo-1

Anti- Nuclear Antibodies (ANAs) refer to a collection of autoantibodies that target a variety of nuclear and cytoplasmic antigens. Anti- Nuclear Antibodies are responsible for most of the autoimmune disorders which are affecting more than 100 million people worldwide. Screening of these antibodies is necessary for detecting the associated autoimmune diseases.

For screening of ANAs Enzyme Linked Immunoassay (ELISA) is the most preferred and widely accepted technique.

Characteristics of an Ideal ANA Elisa

▸ Detection of all major ENAs.
▸ High Specificity and Se

Introducing

Qualisa ANA:

▸ Detection of All Major ENAs (SS DNA, dsDNA, Nucleosomes, Histones, Jo-1, SSA, SSB, Scl-70, SM, SM/RNP)

▸ 100% specificity with sensitivity of 95.2%

▸ Turn Around Time of only **50 minutes**.

▸ Ready to use reagents.

▸ Standardized and Harmonised on Indian Ethnic Population.

Better Testing Systems & Products
For Better Diagnostics & Preventive Health

ANA BLOT - *Differential Diagnosis of ANA*

What Is Immunoblot ?

▶ Antigens coated on membrane are used as solid phase to detect specific antibodies in patient's sample.

▶ Antibody labelled with Alkaline Phosphate is added which binds to the specific antibodies on the membrane.

▶ The AP Catalyzes a coloured reaction with subsequently added NBT/BCIP.

▶ Specific bands appear on the strip for the specific antibodies present in the sample.

▶ The Intensity of Bands appeared is directly proportional to the concentration of antibodies present.

Colourless NBT/BCIP
Coloured reaction
AP
AP-labelled antibody
Antibody from patient sample
Antigen
Membrane
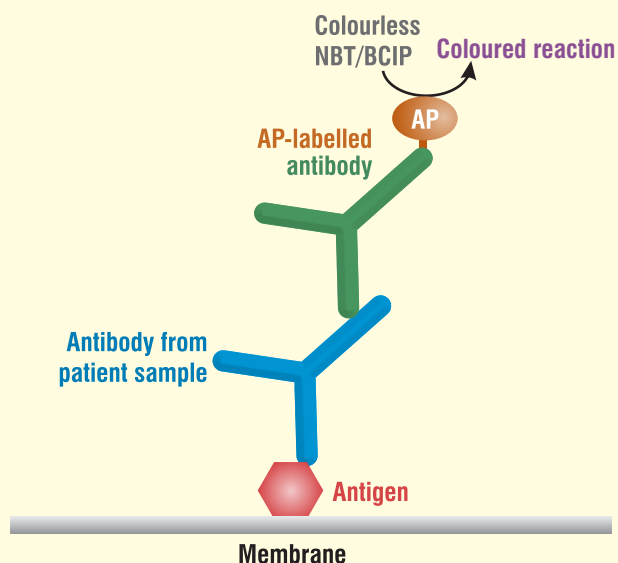
Why Immunoblots ?

▶ Differential Diagnosis of associated autoimmune diseases.

▶ Detection of specific IgG Antibodies to recombinant Nuclear Antigens.

Characteristics of an Ideal ANA-Blot

▶ Detection of Various associated antibodies.

▶ Clear background for accurate band visualization.

▶ High Reproducibility.

▶ High Specificity and Sensitivity of coated antigens.

Tulip Introduces

Blot-Line ANA BLOT

Control	
IgG	
Start	
dsDNA	SLE
Nucleosome	
Histone	
SmD1	
SmB	
PCNA	
PO	
SS-A/Ro 60 kD	Sjögren's
SS-A/Ro 52 kD	Syndrome/SLE
SS-B/La	
CENP-B	CREST/Scleroderma
CENP-A	
Scl 70	
U1-snRNP	MCTD
U1 RNP-A	
U1 RNP-C	
AMA M2	PBC
jo-1	Myositis
PM-Scl	
PL-7	
PL-12	
DFS70	Non-Rheumatic Disease

Detection of 22 Different Associated Antigens

Inclusion of DFS 70 - Lone Biomarker for SARD exclusion

Ready to use reagents

Specificity - 99.13% with sensitivity of 97.22%

Myositis Profile with PL7 & PL12

Excellent Reproducibility

Detailed result interpretation format with a user friendly software