



Memo to: Healthcare Personnel
 From: Alverno Clinical Laboratories, General Laboratory Department
 Subject: **Test change beginning April 7– ANA SCREEN**

Core lab is moving the Anti-nuclear Antibody (ANA) test to the Biorad Bioplex platform. The new ANA screen will use a multiplex flow immunoassay methodology. This screen detects the presence of clinically relevant circulating auto-antibodies which may be useful as an aid in the diagnosis of autoimmune disease. This methodology greatly resembles traditional EIA, but permits simultaneous detection and identification of many antibodies in a single assay. This results in the **quantitative detection of dsDNA**, and the **semi-quantitative detection of Chromatin, Ribosomal P, SS-A, SS-B, Sm, SmRNP, RNP, Scl-70, Jo-1, and Centromere B**.

When antibodies are not detected to any of the ANA antigens, the screen will be reported as "Negative". However, when an antibody is detected to any one, or multiple ANA antigens, the screen will be reported as "Positive", and will reflex to a panel in which all antibody results will be reported. POSITIVE ANA screens will include an interpretation to help guide clinicians in disease association decisions. The interpretation is generated by Medical Decision Support Software, BioRad Laboratories, Inc. which utilizes a database of more than 1,400 patient result profiles.

Instead of receiving morphological staining patterns and titers, this test provides you with the specific antibody identification. All specific antibodies will be reported as an Antibody Index except dsDNA, which is reported in IU/mL. The reporting and reference value changes are listed below:

Reference Values:

<i>dsDNA Antibody</i>	
</=4 IU/mL	Negative
5-9 IU/mL	Indeterminate
>/=10 IU/mL	Positive
<i>Chromatin, Ribosomal P, SS-A, SS-B, Sm, SmRNP, RNP, Scl-70, Jo-1, Centromere B</i>	
<1.0 AI	Negative
>/= 1.0 AI	Positive

These antibodies are included in every ANA screen. This panel will replace titers by IFA, and all other ENA panels. The above antibodies may be ordered individually.

SPECIMEN COLLECTION

Specimen requirements: 1 mL serum, (EDTA or Heparinized plasma is acceptable)
 Specimen stability: 7 days refrigerated, 1 month frozen
 Unacceptable Conditions: Hemolyzed or Lipemic.
 Soft order code: ANA SCREEN: ANABI