RNA Polymerase III Antibody, IgG
ARUP test code 2001601

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**INTERPRETIVE INFORMATION: RNA Polymerase III Antibody, IgG**

- 19 Units or less ......Negative
- 20 - 39 Units ........Weak Positive
- 40 - 80 Units ..........Moderate Positive
- 81 Units or greater ...Strong Positive

The presence of RNA polymerase III IgG antibodies is considered diagnostic of systemic sclerosis (SSc). RNA polymerase III IgG antibodies occur in about 11-23 percent of SSc patients, and typically in the absence of anti-centromere and anti-Scl-70 antibodies. The presence of RNA polymerase III IgG antibodies may be predictive of an increased risk of skin involvement and hypertensive renal failure associated with the diffuse cutaneous form of SSc.

A negative result indicates no detectable IgG antibodies to the dominant antigen of RNA polymerase III and does not rule out the possibility of SSc. False-positive results may also occur due to non-specific binding of immune complexes. Strong clinical correlation is recommended.

If clinical suspicion remains, consider additional testing for other antibodies associated with SSc, including centromere, Scl-70, U3-RNP, PM/Scl, or Th/To.

**END OF CHART**

H=High, L=Low, *=Abnormal, C=Critical