

Patient Name : Mr MR.DUMMY	Sample Collected : Apr 26, 2024, 01:00 PM
DOB/Age/Gender : 23 Y/Male	Report Date : May 25, 2024, 02:42 PM.
Patient ID / UHID : 8052558/RCL7249040	Barcode No : SI485427
Referred By : Dr. X	Report Status : Final Report
Sample Type : Serum	

Test Description	Value(s)	Unit(s)	Reference Range
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Smith (Sm) IgG Antibody

Sm Antibody IgG (Serum, EIA)	10.2	AU/ml	NEGATIVE: < 12 EQUIVOCAL: 12-18 POSITIVE: > 18
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Interpretation:
 The term "Smith antigen" summarizes core proteins of the U1- snRNP complex. The U1-snRNP complex is a part of the spliceosomal complex, that facilitates the processing of pre-mRNA to mature mRNA in the nucleus. It is a small nuclear ribonucleoprotein particle composed of uridine rich (thus U) small nuclear RNA and a set of proteins: the 70 kDa U1-specific protein plus proteins A and C (all formally summarized as RNPs) and the Sm antigen which comprises eight proteins (B, B', D1, D2, D3, E, F and G). Because of its protein components SM and RNPs the complex has been often named SM7RNP complex. Antibodies against SM belong to the heterogeneous group of anti-nuclear antibodies (ANA) which are associated with various autoimmune diseases. ANAs are directed against different proteins of the nucleus. Indirect immunofluorescence test (IFT) on eukaryotic cells like HeLa has been the established method for the detection of ANAs. Single antibody specificities are distinguished by fluorescence patterns but more specific testing by ELISAs employing the target antigens are available too for a simple and reliable differentiation of ANAs. Anti-SM as well as antibodies against double stranded DNA (dsDNA) are highly specific for systemic lupus erythematosus (SLE) and thus are included in diagnostic and classification criteria for SLE. Anti-SM are found in 20-30% of patients with SLE. Anti-SM antibodies typically bind B'/B, D and sometimes E while rarely F and G.

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing. Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.



Dr. Dummy



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 Processing Lab :-

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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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