



Labsmart Software Sample Letterhead

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yourlabname@gmail.com

<https://www.yourlabname.in/>**Mr. Dummy**

Age / Sex : 28 YRS / M
Referred by : Dr. Sachin Patil (MBBS)
Reg. no. : 1086



1086

Registered on : 18/11/2024 04:35 PM
Collected on : 18/11/2024
Received on : 18/11/2024
Reported on : 18/11/2024 04:36 PM

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**SEROLOGY & IMMUNOLOGY**

TEST	VALUE	UNIT	REFERENCE
ANTISTREPTOLYSIN O, ASO TITER	177	IU/mL	< 200

Physiological Basis

Detects the presence of antibody to the antigen streptolysin O produced by group A streptococci. Streptococcal antibodies appear about 2 weeks after infection. Titer rises to a peak at 4–6 weeks and may remain elevated for 6 months to 1 year. Test is based on the neutralization of hemolytic activity of streptolysin O toxin by antistreptolysin O antibodies in serum.

Interpretation

Increased in: Recent infection with group A β -hemolytic streptococci: scarlet fever, erysipelas, streptococcal pharyngitis/tonsillitis (40–50%), rheumatic fever (80–85%), poststreptococcal glomerulonephritis. Some collagen vascular diseases, certain serum lipoproteins, bacterial growth products, or oxidized streptolysin O may result in inhibition of hemolysis and thus cause false-positive results.

Comments

In patients with rheumatic fever, the test may be a more reliable indicator of recent streptococcal infection than throat culture. An increasing titer is more suggestive of acute streptococcal infection than a single elevated level. Even with severe infection, ASO titers rise in only 70–80% of patients. ASO and anti-DNase-B together increase test sensitivity. The normal range increases with age.

~~~ 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.