

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB 12/24/1995
Sex: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Antimicrobial Level - Streptomycin by HPLC, Serum or Plasma

ARUP test code 2009214

Antimicrobial Level - Streptomycin S/P

See Note
Performed By: National Jewish Center, Advanced Diag
1400 Jackson St
Denver, CO 80206

Streptomycin - Comment

See Note

Drug Level	Conc.	Unit	Flags
Streptomycin Level by HPLC	43.21	mcg/mL	

Test Name: Streptomycin Level
Specimen Type: Serum
Time/Date of Last Dose: Not Provided
Dose: Not Provided
Streptomycin Level: 43.21 mcg/mL

Interpretation:
The target range for conventional treatment of mycobacterial infections is 35 to 45 mcg/mL approximately 1 hour after intramuscular injection or 1 hour after the end of intravenous infusion.

The target range for high dose, 3 times weekly treatment of mycobacterial infections is 65 to 80 mcg/mL approximately 1 hour after intramuscular injection or 1 hour after the end of intravenous infusion.

To allow for drug distribution, samples are drawn 2 hours after IV infusion or IM injection. These samples will often display concentrations below the stated ranges. The patient's maximum concentration can be back-calculated from 2 measured concentrations using linear regression. The patient's elimination rate constant can also be calculated.

In patients with normal renal function, conventional doses of 12 to 15 mg/kg are often used daily or 5 times weekly; high dose therapy of 22 to 25 mg/kg should be used 2 to 3 times weekly.

Streptomycin is renally cleared. Renal dysfunction may result in elevated streptomycin concentrations and this drug should be used cautiously in these patients. Carefully monitor audiogram and BUN, creatinine, magnesium, potassium, and calcium concentrations at least once monthly.

Samples drawn more than 2 hours after the usual peak will be lower than the ranges listed above.

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

Unless otherwise indicated, testing performed at:

If the time of the dose and the blood draw were not accurately recorded, accurate interpretation of the concentration is not possible.

For additional information, including test methodology, please contact the laboratory.

The performance characteristics for this test have been validated by Advanced Diagnostic Laboratories at National Jewish Health. It has not been cleared or approved by the U.S. Food and Drug Administration.

The results are not intended to be used as the sole means for clinical diagnosis or patient management decisions. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA 88) as qualified to perform high complexity clinical laboratory testing.

Performed by:
National Jewish Health
Advanced Diagnostic Laboratories
1400 Jackson Street
Denver, CO 80206
Laboratory Director: Steve Groshong, MD, PhD
Performed By: National Jewish Center, Advanced Diag
1400 Jackson St
Denver, CO 80206

Streptomycin - Specimen

See Note
Performed By: National Jewish Center, Advanced Diag
1400 Jackson St
Denver, CO 80206

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
Antimicrobial Level - Streptomycin S/P	25-344-110461	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Streptomycin - Comment	25-344-110461	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Streptomycin - Specimen	25-344-110461	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

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

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 25-344-110461
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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