800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Jonathan R. Genzen, MD, PhD, Chief Medical Officer

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

Physician: Doctor, Example

Patient: Patient, Example

DOB	2/14/1964
Gender:	Male
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	00/00/0000 00:00

Antimicrobial Level - Cycloserine, Serum or Plasma
ARUP test code 2009367

Antimicrobial Level - Cycloserine S/P

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

Cycloserine - Comment

See Note

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: 23-285-110003
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 1 of 3 | Printed: 12/8/2023 1:17:12 PM
4848

Drug Level	Conc.	Unit	Flags
Colorimetric Cycloserine Level			
	20.68	mcg/mL	

Interpretation:
This test report is for cycloserine.

Cycloserine (cycloSERINE) may be confused with cyclosporine (cycloSPORINE). These two drugs sound alike and look alike.

The target range for mycobacterial infections is 20 to 35 mcg/mL 2 hours after oral dose. Samples drawn later than two hours after the dose may display concentrations below the stated range.

Concentrations greater than 35 mcg/mL may be associated with CNS effects such as lethargy, confusion, depression and other effects. If the concentration is 35 to 45 mcg/mL, reduce the total daily dose by 250 mg. If the concentration is greater than 45 mcg/mL, discontinue the drug for 24 to 48 hours before resuming a lower dose.

Cycloserine is renally cleared. Decreased renal function may cause elevated cycloserine concentrations. Such patients generally do not require twice daily dosing. Consider once daily doses, and monitor the patient carefully for CNS effects.

Co-administration of pyridoxine (vitamin B6) 50 mg daily may reduce the potential for CNS effects.

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

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 US 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 Center, Advanced Diag
1400 Jackson St
Denver, CO 80206

Cycloserine - Specimen

Serum

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

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

Patient: Patient, Example
ARUP Accession: 23-285-110003
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 2 of 3 | Printed: 12/8/2023 1:17:12 PM
4848

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

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Antimicrobial Level - Cycloserine S/P	23-285-110003	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cycloserine - Comment	23-285-110003	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Cycloserine - Specimen	23-285-110003	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

Patient: Patient, Example
ARUP Accession: 23-285-110003
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Page 3 of 3 | Printed: 12/8/2023 1:17:12 PM
4848