

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** Unknown  
**Gender:** Unknown  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Manganese, Urine**

ARUP test code 0025070

Hours Collected	24 hr	
	Per 24h calculations are provided to aid interpretation for collections with a duration of 24 hours and an average daily urine volume. For specimens with notable deviations in collection time or volume, ratios of analytes to a corresponding urine creatinine concentration may assist in result interpretation.	
Total Volume	1500 mL	
Creatinine, Urine - per volume	100 mg/dL	
Creatinine, Urine - per 24h	1500 mg/d	
Manganese, Urine - per volume	1.0 ug/L	(Ref Interval: 0.0-5.0) INTERPRETIVE INFORMATION: Manganese, Urine This assay provides limited utility in determining manganese exposure. Whole blood measurements are recommended for determining recent or active exposure. This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.
Manganese, Urine - per 24h	1.5 ug/d	(Ref Interval: 0.0-5.0)
Manganese, Urine - ratio to CRT	1.0 ug/g CRT	(Ref Interval: 0.0-5.0)

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

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
Hours Collected	23-276-102561	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Volume	23-276-102561	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per volume	23-276-102561	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per 24h	23-276-102561	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Manganese, Urine - per volume	23-276-102561	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Manganese, Urine - per 24h	23-276-102561	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Manganese, Urine - ratio to CRT	23-276-102561	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: 23-276-102561  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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