

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 7/17/2008  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Manganese, Urine**

ARUP test code 0025070

Hours Collected	Random 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	Random mL	
Creatinine, Urine - per volume	54 mg/dL	
Creatinine, Urine - per 24h	Not Applicable mg/d	(Ref Interval: 400-1600)
Manganese, Urine - per volume	<b>83.3 ug/L H</b>	<b>(Ref Interval: 0.0-5.0)</b>
	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	Not Applicable ug/d	(Ref Interval: 0.0-5.0)
Manganese, Urine - ratio to CRT	<b>154.3 ug/g CRT H</b>	<b>(Ref Interval: 0.0-5.0)</b>

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

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Hours Collected	23-222-146049	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Volume	23-222-146049	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per volume	23-222-146049	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per 24h	23-222-146049	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Manganese, Urine - per volume	23-222-146049	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Manganese, Urine - per 24h	23-222-146049	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Manganese, Urine - ratio to CRT	23-222-146049	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: 23-222-146049  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
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