

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

Physician: Doctor, Example

Patient: Patient, Example

DOB 12/31/1953
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Metanephrines Fractionated by HPLC-MS/MS, Urine

ARUP test code 2007996

Hours Collected	24 hr	
Total Volume	2900 mL	
Creatinine, Urine - per volume	48 mg/dL	
Creatinine, Urine - per 24h	1392 mg/d	(Ref Interval: 800-2100)

Metanephrines, Urine Interpretation

See Note

TEST INFORMATION: Metanephrines Fractionated, Urine

The optimal specimen for this testing is a 24-hour urine collection. Per-day calculations are not reported for patients younger than 7 years of age and for the following specimen types: a random collection, a collection with duration of less than 20 hours, a collection with duration of greater than 28 hours, or a collection with total volume less than 400 mL (if 18 years of age or older) or greater than 5000 mL (all ages). Ratios to creatinine may be useful for these evaluations.

Smaller increases in metanephrine and/or normetanephrine concentrations (less than two times the upper reference limit) usually are the result of physiological stimuli, drugs, or improper specimen collection. Essential hypertension is often associated with slight elevations (metanephrine less than 400 ug/d and normetanephrine less than 900 ug/d). Elevated concentrations may be due to intense physical activity, life-threatening illness, and drug interferences.

Significant elevation of one or both metanephrines (three or more times the upper reference limit) is associated with an increased probability of a neuroendocrine tumor.

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

See Compliance statement B: www.aruplab.com/CS

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

Metanephrine, Urine - per volume	36 ug/L	
Normetanephrine, Urine - per volume	114 ug/L	
Metanephrine, Urine - per 24h	104 ug/d	(Ref Interval: 55-320)
Metanephrine, Urine - ratio to CRT	75 ug/g CRT	(Ref Interval: 0-300)
Normetanephrine, Urine - per 24h	331 ug/d	(Ref Interval: 114-865)
Normetanephrine, Urine - ratio to CRT	238 ug/g CRT	(Ref Interval: 0-400)

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Hours Collected	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Volume	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per volume	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per 24h	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Metanephrines, Urine Interpretation	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Metanephrine, Urine - per volume	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Normetanephrine, Urine - per volume	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Metanephrine, Urine - per 24h	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Metanephrine, Urine - ratio to CRT	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Normetanephrine, Urine - per 24h	19-324-107440	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Normetanephrine, Urine - ratio to CRT	19-324-107440	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