

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 2/9/2017  
**Gender:** Male  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Vanillylmandelic Acid (VMA), Urine**

ARUP test code 0080421

Hours Collected	Random hr
Total Volume	Random mL
Creatinine, Urine - per volume	70 mg/dL
Creatinine, Urine - per 24h	Not Applicable mg/d (Ref Interval: 140-700)
Vanillylmandelic Acid - per volume	3.5 mg/L
Vanillylmandelic Acid - ratio to CRT	5 mg/gCR (Ref Interval: 0-13) REFERENCE INTERVAL: VMA, Urine mg/g CRT Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).
Vanillylmandelic Acid - per 24h	Not Applicable mg/d
Vanillylmandelic Acid Interpretation	See Note

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

INTERPRETIVE INFORMATION: Vanillylmandelic Acid (VMA), Urine

Vanillylmandelic acid (VMA) results are expressed as a ratio to creatinine excretion (mg/g CRT). VMA mass per day (mg/d) is not reported on specimens from patients younger than 18 years of age, or for random specimens, urine collection periods other than 24 hours, or urine volumes less than 400 mL/d. No reference interval is available for results reported in units of mg/L. Slight or moderate increases in catecholamine metabolites may be due to extreme anxiety, essential hypertension, intense physical exercise, or drug interactions. Significant increase of one or more catecholamine metabolites (several times the upper reference limit) is associated with an increased probability of a secreting neuroendocrine tumor.

Test developed and characteristics determined by ARUP Laboratories.  
See Compliance Statement B: aruplab.com/CS

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Hours Collected	20-223-106430	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Total Volume	20-223-106430	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per volume	20-223-106430	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Creatinine, Urine - per 24h	20-223-106430	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Vanillylmandelic Acid - per volume	20-223-106430	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Vanillylmandelic Acid - ratio to CRT	20-223-106430	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Vanillylmandelic Acid - per 24h	20-223-106430	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Vanillylmandelic Acid Interpretation	20-223-106430	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: