

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

Physician: Doctor, Example

Patient: Patient, Example

DOB 8/25/2023
Sex: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Vanillylmandelic Acid (VMA) and Homovanillic Acid (HVA), Random Urine

ARUP test code 3018863

Creatinine, Urine - per volume 32 mg/dL

Vanillylmandelic Acid - per volume 73.8 mg/L

Vanillylmandelic Acid - ratio to CRT **231 mg/gCR H (Ref Interval: 0-27)**
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).

Homovanillic Acid - per volume 82.2 mg/L

Homovanillic Acid - ratio to CRT **257 mg/gCR H (Ref Interval: 0-42)**
REFERENCE INTERVAL: HVA, 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).

VMA and HVA Interpretation See Note
INTERPRETIVE INFORMATION: VMA and HVA, Urine
Vanillylmandelic acid (VMA) and homovanillic acid (HVA) results are expressed as a ratio to creatinine excretion (mg/g CRT). 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.

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

Unless otherwise indicated, testing performed at:



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.

VERIFIED/REPORTED DATES				
Procedure	Accession	Collected	Received	Verified/Reported
Creatinine, Urine - per volume	25-219-148117	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Vanillylmandelic Acid - per volume	25-219-148117	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Vanillylmandelic Acid - ratio to CRT	25-219-148117	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Homovanillic Acid - per volume	25-219-148117	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Homovanillic Acid - ratio to CRT	25-219-148117	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
VMA and HVA Interpretation	25-219-148117	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: