ARUP LABORATORIES | aruplab.com
500 Chipeta Way, Salt Lake City, Utah 84108-1221
phone: 801-583-2787, toll free: 800-522-2787
Jonathan R. Genzen, MD, PhD, Chief Medical Officer

PATIENT REPORT

Patient Age/Sex: 28 years Female

Specimen Collected: 1/31/2025 11:21 MST

VMA, Random Urine |**Received: 1/31/2025 11:21 MST** **Report/Verified: 1/31/2025 11:31 MST**

Procedure	Result	Units	Reference Interval
Creatinine,Urine -per volume	24	mg/dL	

VMA, Random Urine |**Received: 1/31/2025 11:21 MST** **Report/Verified: 1/31/2025 11:33 MST**

Procedure	Result	Units	Reference Interval
Vanillylmandelic Acid -per volume	3.0	mg/L	
Vanillylmandelic Acid -ratio to CRT	**12** H i1	mg/gCR	[0-6]
Vanillylmandelic Acid Interpretation	See Note f1 i2		

Result Footnote

f1: Vanillylmandelic Acid Interpretation

Specimens containing less than 25 mg/dL creatinine may be too dilute for reliable testing.

Test Information

i1: Vanillylmandelic Acid - ratio to CRT

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).

i2: Vanillylmandelic Acid Interpretation

INTERPRETIVE INFORMATION: Vanillylmandelic Acid (VMA), Urine

Vanillylmandelic acid (VMA) 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.

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.

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab