



# LABORATORY REPORT

Example Client, XYZ123  
1234 Warde Road  
Ann Arbor MI 48108

**EXAMPLE, REPORT W**  
WX0000003827 M 07/08/1978 45 Y

## Referral Testing

Collected: 09/26/2023 10:44 Received: 09/26/2023 10:44

Test Name	Result	Flag	Ref-Ranges	Units	Site
<b>Homovanillic Acid (HVA), Urine</b>					
Hours Collected	24			hr	ARRL

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	2000			mL	ARRL
Creatinine, Urine - per volume	85			mg/dL	ARRL
Creatinine, Urine - per 24 h	1700		1000-2500	mg/d	ARRL
Homovanillic Acid - per volume	1.3			mg/L	ARRL
Homovanillic Acid - ratio to CRT	2		0-8	mg/g CR	ARRL

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).  
Performed By: ARUP Laboratories  
500 Chipeta Way  
Salt Lake City, UT 84108  
Laboratory Director: Jonathan R. Genzen, MD, PhD  
CLIA Number: 46D0523979

Homovanillic Acid - per 24 hr	2.6		0.0-15.0	mg/d	ARRL
Homovanillic Acid Interpretation	See Note				ARRL

INTERPRETIVE INFORMATION: Homovanillic Acid (HVA), Urine

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.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or

LAB: L - LOW, H - HIGH, AB - ABNORMAL, C - CRITICAL, . - NOT TESTED

F326000040  
WX0000003827  
Printed D&T: 09/26/23 15:45

Ordered By: KAJAL SITWALA, MD, PhD  
WX0000000002365

Kajal V. Sitwala, MD, PhD - Medical Director  
Form: MM RL1  
PAGE 1 OF 2



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	approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.				

Performing Site:  
ARRL: ARUP REFERENCE LAB 500 Chipeta Way Salt Lake City UT 841081221

**Reported Date:** 2023.09.26 10:45 UHVA

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F326000040  
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Ordered By: KAJAL SITWALA, MD, PhD  
WX00000000002365

Printed D&T: 09/26/23 15:45

Kajal V. Sitwala, MD, PhD - Medical Director

Form: MM RL1

PAGE 2 OF 2