Test Definition: VH

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

Reporting Title: VMA and HVA, Pediatric, U
Performing Location: Rochester

Specimen Requirements:

This collection is performed only on children <15 years of age.

Container/Tube: Plastic, 10-mL urine tube (Supply T068)
Specimen Volume: 10 mL
Collection Instructions:
1. Collect a random urine specimen.
2. Adjust urine pH to 1 to 5 with 50% acetic or HCl acid.
Additional Information:
1. Patient's age is required.
2. Administration of L-dopa may falsely increase homovanillic acid and vanillylmandelic acid results; it should be discontinued 24 hours prior to and during collection of specimen.

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	7 days
	Frozen	7 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
2143	Child VMA	Numeric	mg/g Cr	3124-5
2144	Child HVA	Numeric	mg/g Cr	11146-8

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	Homovanillic Acid (HVA)	1	83150		
Billing only	Vanillylmandelic Acid, U	1	84585		

Reference Values:

VMA
<1 year: <27.0 mg/g creatinine
1 year: <18.0 mg/g creatinine
2-4 years: <13.0 mg/g creatinine
5-9 years: <8.5 mg/g creatinine
10-14 years: <7.0 mg/g creatinine
> or =15 years (adults): not applicable

HVA
<1 year: <35 mg/g creatinine
1 year: <23 mg/g creatinine
2-4 years: <13.5 mg/g creatinine
5-9 years: <9 mg/g creatinine
10-14 years: <12 mg/g creatinine
> or =15 years (adults): not applicable