

VANILLYLMADELIC
ACID,
URINE

Orderable – See Comments

Turnaround Time: 5 days STAT: 2 days

Alternate Name(s):

VMA

Specimen:

24-hour urine or random urine.

Random urine testing available for pediatric patients only.

Collection Information:

[24-Hour Urine Diet and Medication Restrictions: 5-HIAA, Catecholamines, Metanephrines, VMA/HVA, Serotonin](#)

Collection of a 24-Hour Urine Sample

For 24-hour urine:

Collect urine over a 24-hour period in a container with 30 mL of 6 N HCl for adult samples or 15 mL of 6 N HCl for pediatric samples.

For random urine:

Obtain a container with 0.5 mL of 6 N HCl from the core laboratory prior to urine collection. Minimum volume of urine required is 1 mL.

Reference Ranges:

Random Urine (VMA in $\mu\text{mol}/\text{mmol}$ creatinine):	24-Hour Urine (VMA in $\mu\text{mol}/\text{day}$):
0 - 2 years: ≤ 10.7	0 - 2 years: ≤ 12.0
2 - 4 years: ≤ 6.3	2 - 4 years: ≤ 15.0
5 - 9 years: ≤ 4.7	5 - 9 years: ≤ 18.0
10 - 19 years: ≤ 5.0	10 - 19 years: ≤ 30.0
> 19 years: ≤ 3.5	> 19 years: ≤ 34.0



Laboratory:
Toxicology/Special
Chemistry Lab




Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
LC-MS/MS



Test Schedule:
Monday – Friday
0800-1600



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Special Processing:

For 24-hour urine collections, transfer an aliquot of the measured urine to a 5-mL Greiner tube.

Comments:

VHHU24 (for 24-hour urine; includes VMA and HVA) or VMAR (for random urine; includes VMA and HVA)

Orders for VMA and HVA are coupled so that the levels of both analytes are measured and reported for each sample.

For STAT requests, please call the toxicology lab at ext. 64664 to make arrangements.

Storage and Shipment:

Store and ship urine aliquot refrigerated.