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:

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:

<table>
<thead>
<tr>
<th>Random Urine (VMA in µmol/mmol creatinine):</th>
<th>24-Hour Urine (VMA in µmol/day):</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 2 years: ≤ 10.7</td>
<td>0 - 2 years: ≤ 12.0</td>
</tr>
<tr>
<td>2 - 4 years: ≤ 6.3</td>
<td>2 - 4 years: ≤ 15.0</td>
</tr>
<tr>
<td>5 - 9 years: ≤ 4.7</td>
<td>5 - 9 years: ≤ 18.0</td>
</tr>
<tr>
<td>10 - 19 years: ≤ 5.0</td>
<td>10 - 19 years: ≤ 30.0</td>
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<tr>
<td>&gt; 19 years: ≤ 3.5</td>
<td>&gt; 19 years: ≤ 34.0</td>
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</tbody>
</table>
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.