HOMOVANILLIC ACID, URINE

Orderable – See Comments
Turnaround Time: 5 days    STAT: 2 days

Alternate Name(s):
HVA

Specimen:
24-hour urine or random urine.
Random urine testing available for pediatric patients only.

Collection Information:

Collection of 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></th>
<th>Random Urine (µmol/mmol creatinine)</th>
<th>24-hour Urine (µmol/day)</th>
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</thead>
<tbody>
<tr>
<td>0 - 2 years:</td>
<td>≤ 20.2</td>
<td>0 - 2 years: ≤ 15.4</td>
</tr>
<tr>
<td>2 - 4 years:</td>
<td>≤ 13.6</td>
<td>2 - 4 years: ≤ 25.8</td>
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<tr>
<td>5 - 9 years:</td>
<td>≤ 9.4</td>
<td>5 - 9 years: ≤ 29.6</td>
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<tr>
<td>10 - 19 years:</td>
<td>≤ 7.9</td>
<td>10 - 19 years: ≤ 39.5</td>
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<tr>
<td>&gt; 19 years:</td>
<td>≤ 4.7</td>
<td>&gt; 19 years: ≤ 45.6</td>
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</tbody>
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Special Processing:
For 24-hour urine collections, transfer an aliquot of the measured urine to a 5-mL Greiner tube.
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**Comments:**

VHHU24 (for 24-hour urine; includes VMA and HVA) or HVAR (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.