OXALATE, 24-HOUR URINE

Due to world-wide reagent shortages, oxalate reporting be delayed 3 months.

Orderable - OXALU24

Turnaround Time: 10 days

**Specimen:**

24-hour urine

**Collection Information:**

**Collection of 24-Hour Urine Sample**

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.

Patient should restrict intake of vitamin C-rich foods and vitamin C supplements for 48 hours prior to and during urine collection.

Please complete the laboratory label attached to the collection bottle to include patient’s name, collection start time and date and collection end time and date.

**Reference Ranges:**

<table>
<thead>
<tr>
<th>Age</th>
<th>Range</th>
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</thead>
<tbody>
<tr>
<td>Child (0-16 years)</td>
<td>161-483 µmol/day</td>
</tr>
<tr>
<td>Male</td>
<td>92-564 µmol/day</td>
</tr>
<tr>
<td>Female</td>
<td>46-368 µmol/day</td>
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</tbody>
</table>

**Interpretive Comments:**

High values are found in primary hyperoxaluria, diseases of the distal ileum, pyridoxine deficiency, and ethylene glycol poisoning. Consumption of oxalate-rich foods (e.g. rhubarb, strawberries, spinach, and tomatoes) may increase excretion.

**Special Processing:**
Transfer a 50-mL aliquot of the measured urine to a sterile container and add 2 drops of 6 N HCl.

**Storage and Shipment:**

Store and ship frozen.