Test Definition: HGOU
Mercury Occupational Exposure

Overview

Useful For
Detecting mercury toxicity due to occupational exposure in random urine specimens

Special Instructions
- Trace Metals Analysis Specimen Collection and Transport

Method Name
Only orderable as part of a profile. For more information see:

- HGUOE / Mercury Occupational Exposure, Random, Urine
- HMUOE / Heavy Metal Occupational Exposure, with Reflex, Random, Urine

Inductively Coupled Plasma-Mass Spectrometry (ICP-MS)

NY State Available
Yes

Specimen

Specimen Type
Urine

Specimen Required
Only orderable as part of a profile. For more information see:

- HGUOE / Mercury Occupational Exposure, Random, Urine
- HMUOE / Heavy Metal Occupational Exposure, with Reflex, Random, Urine

Specimen Minimum Volume
3 mL

Reject Due To
All specimens will be evaluated at Mayo Clinic Laboratories for test suitability.

Specimen Stability Information

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Temperature</th>
<th>Time</th>
<th>Special Container</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urine</td>
<td>Refrigerated (preferred)</td>
<td>7 days</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Frozen</td>
<td>7 days</td>
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Clinical and Interpretive
Clinical Information
The correlation between the levels of mercury (Hg) excretion in the urine and the clinical symptoms is considered poor. However, urinary Hg is the most reliable way to assess exposure to inorganic Hg.

For more information, see HG / Mercury, Blood.

Reference Values
Only orderable as part of a profile. For more information see:

-HGUOE/ Mercury Occupational Exposure, Random, Urine

-HMUOE / Heavy Metal Occupational Exposure, with Reflex, Random, Urine

Cautions
To avoid contamination by dust, specimen should be collected away from the site of suspected exposure.

Clinical Reference


Performance

Method Description
Mercury (Hg) in urine is analyzed by inductively coupled plasma-mass spectrometry (ICP-MS) in kinetic energy discrimination (KED) mode using gallium (Ga), rhodium (Rh), and iridium (Ir) as internal standards and a 5% nitric acid salt matrix calibration.(Unpublished Mayo method)

PDF Report
No

Day(s) Performed
Monday through Friday

Report Available
1 day

Specimen Retention Time
14 days

Performing Laboratory Location
Rochester

Fees and Codes

Fees
- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact Customer Service.

Test Classification
This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

LOINC® Information

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<td>Mercury Occupational Exposure</td>
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<td>Mercury Occupational Exposure</td>
<td>13465-0</td>
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