Overview

Useful For
Investigation of possible acute interstitial nephritis

Method Name
HanselStain

NY State Available
Yes

Specimen

Specimen Type
Urine

Specimen Required
Container/Tube: Unstained slide

Specimen Volume: 1 slide

Collection Instructions:

1. Collect a random urine specimen.
2. Spin 10 mL of a random urine collection in centrifuge.
3. Pour off supernatant. Assess urine sediment for presence of white blood cells (WBC). If no WBCs are seen, the eosinophil test cannot be performed. If WBCs are present, prepare slides using the spun sediment.
4. Unstained slide should be prepared within 2 hours of collection.
5. Centrifuge urine in cytospin centrifuge at speed of 750 rpm for 5 minutes.

6. Guidelines for slide preparation. Use the sediment to prepare slides as follows:
   a. 150 mcL of sample for 1 to 3 WBC/high power field (hpf).
   b. 100 mcL of sample for moderate to normal sediment (<50 cell/hpf).
   c. 50 mcL of sample for heavier sediment (>50 cells/hpf).
   d. 25 mcL for packed fields of sediment.

Additional Information:
1. Stained cytospin slides on Mayo Clinic Laboratories patients are retained for 7 days.
2. Call 800-533-1710 or 507-266-5700 with questions.
Test Definition: EOSU
Eosinophils, U

Forms
If not ordering electronically, complete, print, and send a Renal Diagnostics Test Request (T830) with the specimen.

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>14 days</td>
<td>CARTRIDGE</td>
</tr>
<tr>
<td></td>
<td>Ambient</td>
<td>14 days</td>
<td>CARTRIDGE</td>
</tr>
<tr>
<td></td>
<td>Frozen</td>
<td>14 days</td>
<td>CARTRIDGE</td>
</tr>
</tbody>
</table>

Clinical and Interpretive

Clinical Information
Eosinophils are white blood cells that normally do not appear in urine. The presence of eosinophils in the urine is seen in acute interstitial nephritis, which is caused by an allergic reaction, typically to drugs.

Reference Values
None seen

Interpretation
Greater than 5% eosinophils indicates acute interstitial nephritis; 1% to 5% eosinophils is indeterminant.

Cautions
No significant cautionary statements.

Clinical Reference
1. Hansel FK: In Clinical Allergy. CV Mosby Co. St. Louis, 1953

Performance

Method Description

PDF Report
No

Day(s) and Time(s) Test Performed
Monday through Sunday; Continuously
Analytic Time
Same day/1 day

Maximum Laboratory Time
1 day

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 has been cleared, approved or is exempt by the U.S. Food and Drug Administration and is used per manufacturer's instructions. Performance characteristics were verified by Mayo Clinic in a manner consistent with CLIA requirements.

CPT Code Information
85999

LOINC® Information

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<tr>
<th>Test ID</th>
<th>Test Order Name</th>
<th>Order LOINC Value</th>
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<tbody>
<tr>
<td>EOSU</td>
<td>Eosinophils, U</td>
<td>32014-3</td>
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</table>

<table>
<thead>
<tr>
<th>Result ID</th>
<th>Test Result Name</th>
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<tr>
<td>EOSU</td>
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