Overview

Useful For
Demonstrating in vivo coating of RBCs with IgG or the complement component C3d in the following settings:

- Autoimmune hemolytic anemia
- Hemolytic transfusion reactions
- Drug-induced hemolytic anemia

Reflex Tests

<table>
<thead>
<tr>
<th>Test ID</th>
<th>Reporting Name</th>
<th>Available Separately</th>
<th>Always Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATR</td>
<td>Direct Antiglobulin Test (Poly)</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DC3TR</td>
<td>Direct Antiglobulin Test (C3)</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>DIGTR</td>
<td>Direct Antiglobulin Test (IgG)</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Testing Algorithm
When the direct antiglobulin tests is positive, the DCTR test will be interpreted as “Invalid – See addl testing” and the DATR test will be performed. When direct antiglobulin (DATR) is positive, then the DATR reflex tests, DAT complement 3 and DAT IgG, will be performed at an additional charge.

Method Name
Hemagglutination

NY State Available
No

Specimen

Specimen Type
Whole Blood EDTA

Shipping Instructions
Specimen must arrive within 48 hours of draw.

Specimen Required
Container/Tube: Pink top (EDTA)

Specimen Volume: 6 mL

Specimen Minimum Volume
3 mL
Neonates: EDTA Micro tube 0.5 mL

Reject Due To

<table>
<thead>
<tr>
<th>Gross hemolysis</th>
<th>OK</th>
</tr>
</thead>
</table>

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>Whole Blood EDTA</td>
<td>Ambient (preferred)</td>
<td>48 hours</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Refrigerated</td>
<td>48 hours</td>
<td></td>
</tr>
</tbody>
</table>

Clinical and Interpretive

Clinical Information
IgG antibody or complement components secondary to the action of IgM antibody may be present on the patient's own RBCs or on transfused RBCs.

Reference Values
Negative

If positive, test DATR will be performed.

Interpretation
Negative: No IgG antibody or complement (C3d) detected on the surface of the red cell.

Positive: Test DATR will be ordered and performed.

Cautions
Autoimmune hemolytic anemia can occasionally occur with a negative direct antiglobulin test.

The direct antiglobulin test can be positive in some apparently healthy individuals.

Clinical Reference

Performance

Method Description

PDF Report
No

Day(s) and Time(s) Test Performed
Monday through Sunday; Continuously
Test Definition: DCTR
Direct Antiglobulin Test (Poly)

Analytic Time
Same day/1 day

Maximum Laboratory Time
2 days

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 has been cleared or approved 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
86880

LOINC® Information

<table>
<thead>
<tr>
<th>Test ID</th>
<th>Test Order Name</th>
<th>Order LOINC Value</th>
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</thead>
<tbody>
<tr>
<td>DCTR</td>
<td>Direct Antiglobulin Test (Poly)</td>
<td>In Process</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Result ID</th>
<th>Test Result Name</th>
<th>Result LOINC Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCTR</td>
<td>Direct Antiglobulin Test (Poly)</td>
<td>1007-4</td>
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</tbody>
</table>