Overview

Useful For
Evaluation of Rh disease, ie, hemolytic disease of the fetus

Monitoring disease progression to assess need for fetal transfusion

Special Instructions

- Interpretation of Amniotic Fluid Bilirubin Results (Delta OD 450)

Method Name
Spectrophotometric Scan

NY State Available
Yes

Specimen

Specimen Type
Amniotic Fld

Shipping Instructions
Ship specimen in amber vial to protect from light.

Necessary Information
Gestational age at time of amniocentesis is required.

Specimen Required

Supplies: Amber Frosted Tube, 5 mL (T192)

Collection Container/Tube: Amniotic fluid container

Submission Container/Tube: Opaque, amber vial (T192)

Specimen Volume: 3.5 mL

Collection Instructions:
1. Centrifuge, separate supernatant, and send both supernatant and sediment.
2. Label specimens as sediment and supernatant.

Specimen Minimum Volume
1.7 mL

Reject Due To

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
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<tbody>
<tr>
<td>Hemolysis</td>
<td>NA</td>
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<tr>
<td>Lipemia</td>
<td>NA</td>
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Test Definition: AFBIL
Bilirubin, AF

<table>
<thead>
<tr>
<th>Icterus</th>
<th>Mild OK; Gross OK</th>
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<tr>
<td>Other</td>
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Specimen Stability Information

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<tr>
<th>Specimen Type</th>
<th>Temperature</th>
<th>Time</th>
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<tbody>
<tr>
<td>Amniotic Fld</td>
<td>Frozen</td>
<td>70 days</td>
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Clinical and Interpretive

Clinical Information
The presence of bilirubin in amniotic fluid, which results in a yellow color, is an indicator of fetal erythroblastosis. Visual inspection of amniotic fluid is unreliable because bilirubin is not the only cause of an excessive yellow color; therefore, the presence of bilirubin must be confirmed with spectrophotometric methods. Meconium may contribute a green color (biliverdin) that can obscure the color of bilirubin and hemoglobin.

Reference Values
Interpretation of fetal risk is dependent upon gestational age.

Refer to either the Queenan Curve (gestational age <27 weeks) or the Liley Chart (gestational age >27 weeks) listed under Interpretation of Amniotic Fluid Bilirubin Results (Delta OD 450) in Special Instructions.

Interpretation
The reference range for bilirubin in amniotic fluid is related to the gestational age of the fetus. Refer to either the Queenan Curve (gestational age <27 weeks) or the Liley Chart (gestational age >27 weeks) listed under Interpretation of Amniotic Fluid Bilirubin Results (Delta OD 450) in Special Instructions.

Cautions
Bilirubin is photosensitive. Collect the specimen in an opaque amber container and/or wrap in aluminum foil.

Clinical Reference

Performance

Method Description
PDF Report
No

Day(s) and Time(s) Test Performed
Monday through Saturday; Continuously

Analytic Time
Same day

Maximum Laboratory Time
1 day

Specimen Retention Time
3 weeks

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.

CPT Code Information
82247

LOINC® Information

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<th>Order LOINC Value</th>
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<td>AFBIL</td>
<td>Bilirubin, AF</td>
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