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
SpectrophotometricScan

NY State Available
Yes

Specimen

Specimen Type
Amniotic Flid

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>Gross icterus</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>Amniotic Fld</td>
<td>Frozen</td>
<td>70 days</td>
<td>LIGHT PROTECTED</td>
</tr>
</tbody>
</table>

**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**

---

Document generated April 23, 2020 at 2:32am CDT
Test Definition: AFBIL
Bilirubin, AF

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**

<table>
<thead>
<tr>
<th>Test ID</th>
<th>Test Order Name</th>
<th>Order LOINC Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFBIL</td>
<td>Bilirubin, AF</td>
<td>12476-8</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>AMBL</td>
<td>Amniotic Fluid</td>
<td>12476-8</td>
</tr>
<tr>
<td>AFCMT</td>
<td>Other Information</td>
<td>48767-8</td>
</tr>
<tr>
<td>GSTN</td>
<td>Gestation</td>
<td>18185-9</td>
</tr>
</tbody>
</table>