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**Lab Dept:** Chemistry

**Test Name:** BILIRUBIN, DIRECT

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***General Information***

**Lab Order Codes:** DBIL

**Synonyms:** Direct Bilirubin; Conjugated Bilirubin

**CPT Codes:** 82248 – Bilirubin; direct

**Test Includes:** Direct bilirubin concentration reported in mg/dL.

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***Logistics***

**Test Indications:** Bilirubin is the orange-yellow pigment derived from senescent red blood cells. It is extracted and biotransformed in the liver. Bilirubin is screened and monitored for liver disorders, such as jaundice, or liver disease, such as cirrhosis.

**Lab Testing Sections:** Chemistry

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 hour

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** Blood

**Container:** **Preferred:** Green top (Li Heparin) tube  
Alternate: Red, marble or gold top tube

**Draw Volume:** 0.6 mL blood

**Processed Volume:** 0.2 mL plasma/serum

**Collection:** Routine blood collection

**Special Processing:** Lab Staff: Specimen must be separated from cells within 2 hours of collection. Centrifuge specimen, remove serum/plasma aliquot into plastic sample cup. Analyze within 2 hours, or protect from light. Store refrigerated.

**Patient Preparation:** Remove photo therapy prior to sample collection.

**Sample Rejection:** Unlabeled or mislabeled specimen

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***Interpretive***

**Reference Range:**

<b>Age:</b>	<b>Range (mg/dL):</b>
0 – 2 weeks:	0.0 – 1.2 mg/dL
>2 weeks:	0.0 – 0.3 mg/dL

**Critical Values:** N/A

**Limitations:** Hemolysis of the sample falsely decreases the direct bilirubin result. Exposure to light rapidly and significantly decreases bilirubin.

**Methodology:** Modified Jendrassik-Grof

**References:** DBI Flex® reagent cartridge insert sheet, Siemens Healthcare Diagnostics, PN 717125.001 Issue Date 04/07/2008 Rev. B

Clinical Significance, Dade Behring Inc., Glasgow Business Community, Mailbox 531, P.O. Box 6101, Newark, Delaware 19714

Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition

Biorad Liquichek Unassayed Chemistry Control Product Insert, Bio-Rad Laboratories, Irvine, CA 92618

Biorad Liquichek Pediatric Control Product Insert, Bio-Rad Laboratories, Irvine, CA 92618

Frequently Asked Questions (March 2008) Dade Behring, Global Products Support

**Updates:** 2/8/2016: Update alt tube types  
9/14/2016: Update protect from light instructions.