

Patient Name : Demo Patient Name
Age / Sex : 30 Y / F
Referred By : DEMO HOSPITAL
Centre : HOD Head Office

Lab No : Demo Visit No
Registration On : 21-Jan-25 13:06
Patient ID : UHID.DEMO.001

Bilirubin

Serum Sample

Accession No: DEMO_BARCODE **Collected On:** 21-Jan-25 13:06 **Received On:** 21-Jan-25 17:07 **Approved On:** 21-Jan-25 18:04

Observation	Result	Unit	Biological Ref. Interval	Method
Total Bilirubin	1.3	mg/dL	0.2-1.3	Azobilirubin/dyphylline
Conjugated Bilirubin	0.3	mg/dL	<0.3	Calculated
Unconjugated Bilirubin	1.0	mg/dL	<1.1	Spectrophotometry

Additional Clinical Notes:

Please note the following Bilirubin reference range for infants (babies):

Age	Premature Infants	Full Term Infants
	Value	Value
Corded Babies	< 2.0 mg/dl	< 2.0 mg/dl
0-1 Days Old	1.0 - 8.0 mg/dl	2.0 - 6.0 mg/dl
1-2 Days Old	6.0 - 12.0 mg/dl	6.0 - 10.0 mg/dl
3-5 Days Old	10.0 - 14.0 mg/dl	4.0 - 8.0 mg/dl
Adults	0.2 - 1.3 mg/dl	0.2 - 1.3 mg/dl

Clinical Significance:

Bilirubin is the water-insoluble product of heme metabolism that is taken up by the hepatocyte and conjugated with glucuronic acid to form monoglucuronides and diglucuronides. Conjugation makes bilirubin water soluble, allowing it to be excreted in bile. The serum concentration of bilirubin is measured in direct (conjugated) and indirect (unconjugated) fractions.

Unconjugated Hyperbilirubinemia:

- Increased bilirubin production
- Decreased hepatic uptake sepsis, starvation
- Decreased bilirubin conjugation hereditary disorders, cirrhosis, hepatitis, neonatal jaundice

Conjugated Hyperbilirubinemia:

- Hepatocellular disease
- Dubin-Johnson and Rotors syndrome
- Intra/Extrahepatic obstruction
- Sclerosing cholangitis

Sample Type: Serum

Technology: Dry Chemistry (VITROS MicroSlide, MicroSensor and Intellicheck Technology)

Analyzer: Fully Automated Biochemistry and Immunology Analyzer : VITROS 5600

Remarks: Please correlate results with clinical conditions.



This is a Demo Signature
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

