



**Total Bilirubin** measurements are used to monitor and diagnose **liver diseases**.

METHOD: DIAZO; ENDPOINT

FEATURES:

FOR THE QUANTITATIVE MEASUREMENT OF TOTAL BILIRUBIN  
**Genzyme Total Bilirubin Reagent**

Genzyme's Total Bilirubin L3K<sup>®</sup> Reagent uses a spectrophotometric method that is rapid, reliable, convenient, and is intended for the measurement of bilirubin in serum, lithium heparinized plasma, and sodium heparinized plasma.

- ✓ Liquid, ready to use reagent
- ✓ Excellent hemoglobin, ascorbic acid, and lipemia interference claims
- ✓ Applicable to multiple chemistry platforms
- ✓ Serum, lithium heparinized plasma, and sodium heparinized plasma acceptable. Neonatal samples are also acceptable

BENEFITS:

- ✓ Easy to use, no additional preparation required
- ✓ Sample dilutions and pre-treatment of samples are not required
- ✓ Laboratory flexibility
- ✓ Flexible sample types to meet different laboratory needs

ORDERING INFORMATION	CONFIGURATION	CATALOG NUMBER
<input type="radio"/> GENZYME TOTAL BILIRUBIN L3K <sup>®</sup>	R1 1 X 100 mL R2 1 X 25 mL	295-10
<input type="radio"/> GENZYME TOTAL BILIRUBIN L3K <sup>®</sup>	R1 3 X 100 mL R2 1 X 75 mL	295-30
<input type="radio"/> GENZYME DC-CAL	5 X 3 mL	SE-035
<input type="radio"/> GENZYME DC-TROL LEVEL 1	10 X 5 mL	SM-052
<input type="radio"/> GENZYME DC-TROL LEVEL 2	10 X 5 mL	SM-056



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**PERFORMANCE CHARACTERISTICS**

<p><b>PRECISION</b></p>	<p>Within-Run: ≤1 % Total Precision: ≤5.4 %</p>
<p><b>ACCURACY</b></p> <p>The performance of these methods was compared to similar methods on a Roche/Hitachi® analyzer.</p>	<p><b>SERUM</b> Slope: 1.05 Intercept: 0.3 mg/dL (5.1 µmol/L) Correlation Coefficient: 0.9982</p> <p><b>SODIUM HEPARIN PLASMA</b> Slope: 0.99 Intercept: -0.02 mg/dL (-0.3 µmol/L) Correlation Coefficient: 0.9851</p> <p><b>LITHIUM HEPARIN PLASMA</b> Slope: 1.06 Intercept: -0.2 mg/dL (-3.4 µmol/L) Correlation Coefficient: 0.9942</p>
<p><b>LINEARITY</b></p>	<p>0.1 – 35.0 mg/dL (1.7 - 598.5 µmol/L)</p>
<p><b>NO SIGNIFICANT INTERFERENCES UP TO LEVELS INDICATED</b></p>	<p>Hemoglobin: 1000 mg/dL (155 µmol/L) Intralipid: 1000 mg/dL (3000 mg/dL (34 mmol/L) Simulated Triglycerides) Ascorbic Acid: 3000 µg/dL (170 µmol/L)</p>
<p><b>REFERENCE RANGE<sup>(1)</sup></b></p>	<p>0.2-1.0 mg/dL (3.4-17.1 µmol/L)</p> <p><b>Neonates: Premature</b> 0-1 days &lt;8 mg/dL (&lt;136.8 µmol/L) 1-2 days &lt;12 mg/dL (&lt;205.2 µmol/L) 3-5 days &lt;14 mg/dL (&lt;239.4 µmol/L)</p> <p><b>Neonates: Full-Term</b> 0-1 days 2-6 mg/dL (34.2-102.6 µmol/L) 1-2 days 6-10 mg/dL (102.6-171.0 µmol/L) 3-5 days 4-8 mg/dL (68.4-136.8 µmol/L)</p>

<sup>(1)</sup> Burtis, C.A. and Ashwood, E.R. (Eds) *Tietz Textbook of Clinical Chemistry, Second Edition*, W.B. Sanders Co., Philadelphia (1994).

**NOTES:**

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