TOTAL BILIRUBIN L-TYPE | Vanadate oxidation
For the quantitative determination of Total Bilirubin in serum

- Stable liquid reagent, ready to use
- Open bottle stability: 1 month at 2 - 10 °C
- Highly precise
- Highly specific
- No interference by haemolysis, ascorbic acid and intrafat

**Principle**

Bilirubin in the sample is oxidized to biliverdine at around pH 3. Then the absorbance of yellow specific to bilirubin decreases. Therefore, the bilirubin concentration in the sample can be obtained by measuring the absorbance before and after the vanadate oxidation.

**Procedure**

37°C

Sample: 10 μL
R1: 280 μL
R2: 70 μL

Sample blank 5 min measurement 10 (min)

Wavelength
Main 450 nm
Sub 546 nm
(HITACHI® 911)

**Correlation**

\[
y = 0.978x + 0.022 \\
r = 0.9990
\]
**Liver Disease | T-BIL**

**KITS | BULK**

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**Range**

| 0.1 – 40 mg/dL |

**Linearity/Sensitivity**

- **Linearity:** up to 40 mg/dL
- **Sensitivity:** 0.04 mg/dL

**Interference**

Hemoglobin, ascorbic acid or intrafat do not have significant influence on the assay.

**CE Applications**

- AU2700
- AU5400
- Hitachi 902
- AU5400
- Hitachi 911
- Hitachi 912
- Hitachi 904
- Hitachi 917
- Hitachi 7600
- Modular

**Ordering**

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Product</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>417-23295</td>
<td>Total Bilirubin L-Type R1</td>
<td>R1: 4 x 70 mL</td>
</tr>
<tr>
<td>419-23495</td>
<td>Total Bilirubin L-Type R2</td>
<td>R2: 4 x 18 mL</td>
</tr>
<tr>
<td>995-70532</td>
<td>Total Bilirubin buffer</td>
<td>16 L BULK</td>
</tr>
<tr>
<td>992-70542</td>
<td>Total Bilirubin vanadate</td>
<td>4 L BULK</td>
</tr>
<tr>
<td>419-73295</td>
<td>Bilirubin Calibrator</td>
<td>CAL: 4 x for 3 mL</td>
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</tbody>
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