DIRECT BILIRUBIN L-TYPE | Vanadate oxidation
For the quantitative determination of Direct Bilirubin in serum and plasma

- 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

- **Sample blank**
  - 5

- **Measurement**
  - 10 (min)
  - R2: 70 μL
  - Wavelength
    - Main 450 nm
    - Sub 546 nm
  - (Hitachi® 911)
Liver Disease | D-BIL
KITS | BULK

Correlation

Range
0.1 – 20 mg/dL

Linearity/ Sensitivity

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

CE Applications
AU2700          Hitachi 904          Hitachi 917
AU5400          Hitachi 911          Hitachi 7600
Hitachi 902     Hitachi 912          Modular

Ordering
<table>
<thead>
<tr>
<th>Code No.</th>
<th>Product</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>411-23695</td>
<td>Direct Bilirubin L-Type R1</td>
<td>R1: 4 x 70 mL</td>
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<tr>
<td>413-23895</td>
<td>Direct Bilirubin L-Type R2</td>
<td>R2: 4 x 18 mL</td>
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<tr>
<td>999-70552</td>
<td>Direct Bilirubin buffer</td>
<td>16 L BULK</td>
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<tr>
<td>996-70562</td>
<td>Direct 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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