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Specification

Product: **Bilirubin Total Gen.3
(BILT3)**

Catalog No. 05795419190

Intended use:

In vitro test for the quantitative determination of total bilirubin in serum and plasma of adults and neonates on Roche/Hitachi cobas c systems.

Test principle:

Colorimetric diazomethod

Total bilirubin, in the presence of a suitable solubilizing agent, is coupled with 3,5-dichlorophenyl diazonium in a strongly acidic medium.

Bilirubin + 3,5 DPD $\xrightarrow{\text{acid}}$ azobilirubin

The color intensity of the red azo dye formed is directly proportional to the total bilirubin and can be determined photometrically.

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1. Reagents-working solutions:

1.1 Detergent / buffer solution (B):

1.1.1 Appearance:

corresponds
(clear, slightly yellowish solution)

1.2 3,5-dichlorophenyl diazonium salt solution (C):

1.2.1 Appearance:

corresponds
(colorless to yellow colored, clear solution)

2. Performance test:

2.1 Recovery on cobas c analyzer(s):

PreciControl ClinChem Multi 1 (Cat. No. 05947626190): 90 - 110 %

PreciControl ClinChem Multi 2 (Cat. No. 05947774190): 90 - 110 %

Also required:

Calibrator f.a.s. (Cat. No. 10759350190)