



Teco Diagnostics

Intended Use

For the quantitative determination of total bilirubin in human serum.

Principle

Bilirubin reacts with the diazotized sulfanilic acid to produce azobilirubin, which has an absorbance maximum at 560 nm in dimethyl sulfoxide (DMSO) as a solvent. The intensity of the color produced is directly proportional to the amount of total bilirubin concentration present in the sample.

Test:

Total Bilirubin Reagent (B576-480)

Number of Tests:

480 Tests
4 x 120 mL

Format:

Liquid

Method:

Colorimetric

Testing Procedure:

Manual

Storage Temperature:

2-8°C

Wavelength:

560 nm

Linearity:

20 mg/dL

Expected Values:

Infant(+1 month) & Adults: 0.2-1.0 mg/dL

Reagent Deterioration:

The reagent should be discarded if: (1) Sodium Nitrite reagent has a yellow discoloration; (2) Working reagent fails to achieve assigned assay values of fresh control sera.

Limitations of Procedure:

In this assay, as in all laboratory procedures, materials, which come in contact with specimens, should be clean and free of contamination by heavy metals, detergents, and other chemicals.

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