CREATIVE BIOMART®
Assay Kit

Bilirubin Assay Kit

Product Information

Cat.No. Kit-0128

Product Overview

Bilirubin Assay Kit is a quantitative colorimetric bilirubin determination at 530 nm.

Description

BILIRUBIN is one of the degradation products of hemoglobin formed when red blood cells die. Bilirubin exists in the insoluble unconjugated form (also indirect bilirubin), or soluble glucuronide conjugated form bilirubin (also direct bilirubin). Conjugated bilirubin moves into the bile canaliculi of the liver and then to the gall bladder. When stimulated by eating, bile (including the conjugated bilirubin) is excreted into the small intestine, where bilirubin is converted into urobilinogen. Bilirubin is a key diagnostic indicator. High levels of bilirubin result when too much hemoglobin is broken down or the removal of bilirubin does not function properly. The accumulation of bilirubin in the body causes jaundice.

Applications

Direct Assays: total and direct bilirubin in serumPharmacology: effects of drugs on bilirubin metabolism.

Usage

For research use only (RUO)

Storage

Store all reagents at 4°C. Shelf life: 12 months after receipt.

Kit Components

Reagent A 30 mLReagent B 10 mLReagent C 30 mLSaline 50 mLCalibrator (equivalent to 5 mg/dL Bilirubin) 2 mL

Detection method Colorimetric

Features & Benefits

Sensitive and accurate. Detection limit 0.16 mg/dL bilirubin in 96-well plate assay.Simple and high-

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throughput. The procedure involves addition of a single working reagent and incubation for 10 min. Can be readily automated as a high-throughput assay in 96-well plates for thousands of samples per day.

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