

## Bilirubin Kit

### Mod. Jendrassik & Grof's Method

**Intended Use:**

Bilirubin is mainly formed from the heme portion of aged or damaged RBCs. It then combines with albumin to form a complex which is not water soluble. This is referred to as indirect or unconjugated bilirubin. In the liver this bilirubin complex is combined with glucuronic acid into a water soluble conjugate. This is referred to as conjugated or direct bilirubin. Elevated levels of bilirubin are found in liver diseases (hepatitis and cirrhosis), excessive hemolysis / destruction of RBC (hemolytic jaundice) obstruction of the biliary tract (obstructive jaundice) in the drug induced reactions. The differentiation between the direct and indirect bilirubin is important in diagnosing the cause of hyperbilirubinemia. Bilirubin kit uses mod. Jendrassik & Grof's method to determine direct & total bilirubin in serum.

**Bilirubin Kit components:**

L1	Direct Bilirubin Reagent
L2	Direct Nitrite Reagent
L1	Total Bilirubin Reagent
L2	Total Nitrite Reagent
S	Artificial Standard (10 mg/dl)
Other Accessories	Package Insert

#### System Parameters

<b>Reaction</b>	: End Point	<b>Interval</b>	: ---
<b>Wavelength</b>	: 546 nm	<b>Sample Vol.</b>	: 0.10 ml
<b>Zero Setting</b>	: Sample Blank	<b>Reagent Vol .</b>	: 1.05 ml
<b>Incub. Temp</b>	: R. T.	<b>Standard</b>	: ---
<b>Incub. Time</b>	: 5 min. / 10 min.	<b>Factor</b>	: 13
<b>Delay Time</b>	: ---	<b>React. Slope</b>	: Increasing
<b>Read Time</b>	: ---	<b>Linearity</b>	: 20 mg/dl
<b>No. of read.</b>	: ---	<b>Units</b>	: mg/dl

Storage / Stability	Temperature	Duration
Unopened kit	15-30°C	24 Months
Opened kit (Unmixed)	15-30°C	24 Months
In use stability	2-8°C	4 Days

Available Pack Sizes	
35 Tests	75 Tests