

CORMAY BILIRUBIN CALIBRATOR

CALIBRATOR FOR DETERMINATION OF BILIRUBIN CONCENTRATION



Kit name	Kit size	Cat. No
CORMAY BILIRUBIN CALIBRATOR	1 x 3 ml	4-380

INTRODUCTION

Bilirubin is a yellow pigment – product of heme degradation. For clinical purposes, bilirubin is expressed as two fractions: conjugated and unconjugated. In hepatocytes bilirubin is enzymatically conjugated with glucuronic acid residues. This form is called direct or conjugated. Bilirubin without glucuronic acid modification is bound to albumin and is termed unconjugated or indirect. Indirect bilirubin is calculated as the difference between total and direct bilirubin.

Serum bilirubin measurement is widely used as a screening test for liver functions. Hiperbilirubinemia is usually the result of jaundice (mechanical, hemolytic), Dubin-Jonson syndrome, Gilbert's syndrome, Crigler-Najjar syndrome, bile ducts disease.

CORMAY BILIRUBIN CALIBRATOR is intended for calibration of total and direct bilirubin determinations by vanadate oxidation method.

CHARACTERISTICS

Calibrator contains bilirubin from bovine bile, ditaurobilirubin and sodium azide as stabilizer (0.005% when reconstituted).

INSTRUCTION FOR USE

1. Open the vial **carefully** and add **exactly 3 ml** of distilled/deionised water at 20-25°C.
2. Replace the rubber stopper and leave to stand for **30 minutes out of bright light**.
3. Swirl **gently** several times during reconstitution period to ensure that the contents are completely dissolved.
4. Prior to use, mix the contents by inverting the vial several times. **Do not shake! Avoid the foam formation!**

STABILITY AND STORAGE

1. Unopened calibrator is stable at 2-10°C until the expiration date printed on the product label. Protect from light!
2. Stability of the component in the reconstituted calibrator (protect from light):

Temp. 2-10°C	5 days
Temp. -20°C	4 weeks (when frozen once)

NOTES

- Product for in vitro use only.
- Calibrator must be used only for the purpose intended by suitably qualified laboratory personnel, under appropriate laboratory conditions.
- Do not use calibrators after expiry date.
- The bottles are stoppered at reduced pressure. Slowly remove the cap in order not to blow the powder in the bottle!
- The product contain sodium azide as a stabilizer (0.005% when reconstituted). Avoid contact with skin and mucous membranes.

ASSIGNED VALUES

The exact bilirubin concentration is printed on the label of each bottle. The assigned values are valid for only the vanadate oxidation method and can not be used with other methods.

TRACEABILITY

Values assigned from the reference material – SRM916a NIST.

WASTE MANAGEMENT

Please refer to local legal requirements.

Date of issue: 05. 2012.

MANUFACTURER

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