

### Intended Use

Mission T. Bilirubin Calibrator is intended for use as a urine chemistry calibrator for methods run on Mission Diagnostics Affirm C200\* and Beckman AU680 Analyzers in accordance with the instrument manufacturer's directions.

For Research Use Only.

### Summary and Explanation

The use of specific calibrators is an established procedure for optimal performance of analyzer systems. The Mission T. Bilirubin Calibrator is a lyophilized product prepared from chemicals that have been specially formulated for the Mission urine T. Bilirubin assay.

### Principle Of Procedure

The Mission T. Bilirubin Calibrator is utilized by the analyst to set calibration of Affirm C200 automated T. Bilirubin assay in accordance with the instrument manufacturer's directions. Refer to the assay procedures and to the instrument manual for details.

### Composition

The product consists of lyophilized human material and a diluent for reconstitution. The lyophilate contains additives to provide the defined assay values and to stabilize the components to extend shelf life.

### User Precautions

Human serum was used in the manufacture of this product. Each donor unit was tested for antibodies to HIV1/2, HCV and found to be non-reactive for HBsAg and HIV-1Ag by FDA accepted test methods.

Because no test method can offer complete assurance that products derived from blood will not transmit infectious agents, it is recommended that this product be handled with the same precautions used for patient specimens. In the event of exposure, the directives of the responsible health authorities should be followed. Disposal of all waste materials should be in accordance with local guidelines.

### Instructions For Use

1. Carefully open one bottle, avoiding the loss of lyophilate.
2. Using a volumetric pipette, add exactly 5.0 ml of the provided diluent to the lyophilized serum.
3. Gently invert the vial intermittently over a period of 20 minutes to ensure complete dissolution of contents. Immediately prior to use, gently invert the vial several times to ensure homogeneity.

### Storage And Stability

Unreconstituted T. Bilirubin calibrator is stable until the expiration date when stored at 2-8°C. Once reconstituted the calibrator solution is designed for single use calibration. Calibrate instrument within 4 hours of reconstitution and then discard the calibration solution. Bilirubin is a fragile analyte and will degrade due to exposure to lab light and oxygen.

Our recommendation is to reconstitute one vial of calibrator and calibrate the bilirubin assay once every two weeks.

### Limitations

Erroneous results may occur from prolonged exposure of opened vial to ambient air and/or technical errors associated with instrumentation or reagents.

### Calibrator Values

T. Bilirubin Calibrator: 5 mg/dL

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\* Also known as Zybio EXC200 Analyzer