

## CLINICAL SIGNIFICANCE

Probe Cleaner is in vitro diagnostics reagent used to clean the probe of semi auto/Fully automatic analyzer.

Probe Cleaners are effective in breaking down the proteins and blood debris by reactions. Sodium hydroxides are commonly used in the cleaning reagents for dissolving or dispersing the debris and large organic molecules. With the good moist function, it also can discharge bubbles from entire measurement apparatus and provide the correct working performance.

## PRINCIPLE

Probe Cleaner is a solution contains mainly sodium hydroxide to emulsifying the fat, distribute the solidified dirt and transform the protein into a water-solubility amino acid to maintain the cleanness of pipelines and flow-cell.

When whole blood runs through Automatic hematology analyzer, it leaves protein and lipid residues that, over time, can clog the analyzer. The cleaner keeps semi auto/Fully automatic analyzer clean by removing biological contaminants left behind after normal cleanings are done. This cleaner supplement your current maintenance procedures by cleaning the most crucial parts of the instrument: the measurement apparatus and all parts of the analyzer that come in contact with blood samples.

The detergent can emulsify the fat, distribute the solidified dirt and transform the protein into a water-solubility amino acid to maintain the cleanness of pipelines and flow-cell of semi auto/fully auto analyzers.

## REAGENT COMPOSITION

**Reagent:** Probe Cleaner

## SAMPLE COLLECTION AND PRESERVATION

Collect whole blood into an appropriate blood collection tube with anticoagulant (EDTA).

## REAGENT PREPARATION

Ready to use reagent.

Start the cleaning procedure before aspiration of the reagent.

## REAGENT STORAGE AND STABILITY

When stored between 15-30°C, the reagent is stable till the expiration date stated on the bottle and kit box label.

## REFERENCE VALUES

This reagent is used for cleaning of automated hematology analyzer.

## MANUAL ASSAY PROCEDURE

1. Open the reagent bottle.
2. Start the cleaning procedure.
3. Then push the sample aspiration button and aspirate the reagent.

## QUALITY CONTROL

It is recommended to run random samples along with pathological blood controls which are commercially available to verify the performance of the measured procedure. The values of controls should match with the control sheet data.

If the test results come as OK, it means the tubing is free of any clogs or blood residues.

## BIBLIOGRPHY

- 1- Segal et al. "Hemolytic properties of synthetic glycosides" J. Pharma. Sci. (1978) 67(11): 1589-1592. \*
- 2- Tatsumi, N., "Alterations of Saponin Hemolysis during Storage of ACD Blood", Vax Sanguinis, vol. 41, No. 1 (Jul. 1981); pp. 18-24.

**Mfg. By:** BIOGENIX INC. PVT. LTD.

**Factory:** B - 19/A, S.I.L Ancillary Estate, Amausi Industrial Area, Nadarganj, Kanpur Road, Lucknow - 226008 (U.P.), India

**Email:** biogenix2007@yahoo.com, info@biogenixinc.com

**Website:** www.biogenixinc.com

**Customer care no:** +919140971443

**Document No.:** BIPL-IFU-089