



CellSolutions™ Blue Preservative

Catalog Numbers: **CB-102 (40 mL cup)**
 CB-102-25 (25 cups x 40 mL)
 CB-102L (1 L)
 CB-102G (4 x 1 L)

INTENDED USE

CellSolutions™ Blue Preservative (CS-BP) is a preservative fluid for the preservation of non-cervicovaginal (non-gyn) cells in suspension. Thin-layer cytology slides are processed from the cell suspensions using the CellSolutions™ Automated and GluCyte™ Manual Methods for cytology slide preparation. These slide preparations are evaluated for the presence of cancer or its precursor lesions by cytotechnologists and pathologists trained to evaluate CellSolutions™ prepared slides.

CS-BP was developed and specially formulated for use with:
CellSolutions™ GluCyte™ Cell Adherent (GC 100)
CellSolutions™ Glass Slides (GCK D4)
CellSolutions™ Density Reagent (DR-101)
CellSolutions™ 12 mL Polypropylene Centrifuge Tubes (GCK D1)

Qualified medical personnel are responsible for the collection and preservation of samples using CS-BP. CS-BP is recommended for the preservation and preparation of cytology samples collected from: urine, washings, and body fluids. For in vitro diagnostic use.

SUMMARY AND EXPLANATION

CS-BP is recommended for the preservation and preparation of non-cervicovaginal cytology samples collected from: urine, washings and body cavity fluids where one volume of sample can be mixed with one volume of CS-BP.

Centrifugation is used to concentrate the fixed cell samples. Once separated, the cells can be processed using the CellSolutions™ automated or manual methods for slide preparation.

Papanicolaou or other staining systems can be used to stain the slides. CS-BP preserved cells are also compatible with most immunostaining procedures.

COMPOSITION / ACTIVE INGREDIENTS

<u>Substance</u>	<u>% WT</u>	<u>CAS No.</u>	<u>EC No.</u>
Denatured Ethanol	24%	64-17-5	200-578-6
Ethylene Glycol	5-7.5%	107-21-1	203-473-3



HAZARDS AND PRECAUTIONS

Hazard statement(s)

H226 Flammable liquid & vapour
H302 Harmful if swallowed

For precautionary statements refer to SDS.

GENERAL PRECAUTIONS

Wear powder free gloves, a lab coat and eye protection. Universal precautions should be followed when working with clinical samples. Do not allow CellSolutions™ reagents to come in contact with an open wound. DO NOT INGEST (contains denatured alcohol).

STORAGE REQUIREMENTS AND SHELF LIFE

Store CS-BP at the recommended temperature range of 2°-30° C. Product expiration date that determines shelf life is located on the outside packaging of the product. The product shelf life once opened remains valid up until the expiration date, provided the bottle is stored closed and at the recommended temperature range of 2°-30° C.

DISPOSAL CONSIDERATIONS

Treat all used products as hazardous material and dispose of in accordance with federal, state and local requirements. For additional disposal considerations refer to SDS.

SPECIMEN COLLECTION AND STABILITY

1. Allow cytology samples to fix in CS-BP for 30 minutes or longer.
2. Processed cytology specimens are stable in CS-BP for 14 days at the recommended temperature range of 2°-30° C.

RECOMMENDED NON-GYN SPECIMEN PREPARATION

Processing Large Volume Fluids (Urine, Washings, Body Fluids)

- 1) Collect fresh fluid (up to 50 mL) and add an equal volume of CS-BP.
- 2) Mix and allow the material to fix for 30 minutes or longer.
- 3) Vortex the sample for 10 seconds and transfer to a 50 mL conical tube.

- 4) Concentrate sample by centrifugation (10 minutes at 600 x g).
- 5) Decant and properly discard supernatant.
- 6) Add 2 mL CS-BP to the cell pellet in the 50 mL conical tube.
- 7) Vortex the preserved sample for 5 seconds.
- 8) Add 2 mL of CellSolutions™ Density Reagent to a CellSolutions™ 12 mL centrifuge tube.
- 9) Transfer the preserved sample on top of the CellSolutions™ Density Reagent in the CellSolutions™ 12 mL centrifuge tube. DO NOT MIX OR AGITATE.
- 10) Concentrate sample by centrifugation (10 minutes at 600 x g).
- 11) Decant and properly discard supernatant.
- 12) Leave the sample tube inverted and place on a paper towel for 1 minute.
- 13) Blot the sample tube until no more fluid appears on the paper towel.
- 14) Vortex cell pellet for 5 seconds. Large pellets may require 10 seconds.
- 15) Prepare slide(s) using CellSolutions™ automated or manual methods for slide preparation.
- 16) Allow cell suspension to dry on the slide, then stain and coverslip.
- 17) Re-suspend sample in 2 mL of CS-BP for storage.

LIMITATIONS OF THE PROCEDURE

- 1) A cytologic sample should be preserved in CS-BP (one volume to one volume) as soon as possible after collection. Ideally this should be carried out in the clinic where the sample is collected. Once an unpreserved sample becomes degraded it will be unsatisfactory for further processing and examination.
- 2) For single use only. Once a container of CS-BP has a specimen transferred into it, it cannot be reused for another specimen.



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BIBLIOGRAPHY

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