

Product Information Sheet

Intended Purpose

CytoSheath is an azide-free, isotonic phosphate buffered saline solution for the transportation of cells within the fluidics system of a flow cytometer during optical interrogation and acquisition.

CytoSheath is for Research Use Only.

Summary and Principles

In a Flow Cytometer, cells are focused into a single file stream so that they pass through the flow cell one at a time, where they interact with a laser beam and those interactions are analysed. The process by which the cells are guided is called hydrodynamic focusing and is achieved by injecting the cells into a pressurised stream of sheath fluid, such as CytoSheath.

The formulation of CytoSheath has been optimised to reduce background fluorescence, keeping signal-to-noise ratios high whilst minimising the levels of particulate present, reducing clogging in fluidics systems.

Reagents

CytoSheath is a sheath fluid formulated to work with major flow cytometers.

Precautions and Warnings

1. CytoSheath is intended for use as specified in this document. It is a Research Use Only reagent for professional use only.
2. Do not use CytoSheath after the expiration date on the bottle and packaging.
3. Do not freeze CytoSheath.
4. Do not dilute CytoSheath prior to use.
5. Use proper lifting techniques when handling the container.
6. Do not use if there are any visible changes in the sheath fluid.
7. Discard immediately if contaminated.
8. SDS can be obtained at www.caltag.co.uk or by calling +44(0)1280 827460.

Storage Conditions and Stability

CytoSheath is stable until the expiration date shown on the bottle label when stored as directed.

Procedure

CytoSheath is provided ready-to-use – no dilution or preparation is required.

Clean and sanitise the fluidics pathway as directed by the manufacturer of the Flow Cytometer. Transfer CytoSheath into the Sheath Fluid tank of the instrument and prime the system prior to use.

Disposal

Dispose of with proper precautions in accordance with national and local regulations. Do not reuse the container.

Ordering Information

Please call Caltag on +44(0)1280 827460 or email support@caltag.co.uk for assistance. Additional information can be found online at www.caltag.co.uk.

Product Description	Catalogue Numbers
CytoSheath 20 L	CYTO-1001

Related Products:

- **CytoRinse:** is a sodium hypochlorite solution essential for routine cleaning and decontamination.
- **CytoKleen:** an enzymatic cleaning agent essential for the removal of cellular debris and/or protein deposits.

Additional information can be found online at www.caltag.co.uk.



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