

CYTOMATION

Better Tools. Good Science.



Cytomation Sheath Fluid is a sterile, preservative-free concentrate designed specifically for flow cytometers. Its highly concentrated form makes transporting, storing and using sheath fluid easier than ever before.

HIGHEST QUALITY

Cytomation Sheath Fluid is the highest quality product available for flow cytometer sheath fluid. The phosphate-buffered saline solution is shipped sterile and endotoxin free. The sterile packaging consists of the highest quality non-leeching plastic film, hermetically sealed to retain product sterility. The combination of these characteristics allows our sheath fluid to be preservative-free, without the possibility of contamination. Cytomation Sheath Fluid is the only preservative-free sheath fluid available today.

CONVENIENT

Cytomation Sheath Fluid is shipped highly concentrated to minimize storage requirements. Each package contains two 6 liter bags of 8x concentrate, providing 96 liters of sheath fluid. A laboratory that uses 10 liters of sheath fluid per day can store almost a month's supply of Cytomation Sheath Fluid in only two 1.3 cubic foot boxes. Moving the units is also easy; a box that will eventually produce 96 liters of sheath fluid weighs less than 30 pounds when received. The Flow-Tec™ bags are designed for easy dispersal of the sheath fluid without mess or difficulty.

RELIABLE

Cytomation Sheath Fluid is prepared, filtered, and packaged in a Class 10,000 clean room, under stringent controls guided by batch-record directions. Each unit is lot-number traceable to its certification record. The certification process includes analytical testing of each batch to ensure that it meets Cytomation's stringent specifications for sheath fluid.

CYTOMETRY SUPPLIES

Cytomation Sheath Fluid is the first product in Cytomation's commitment to provide flow cytometry laboratories with the finest quality supplies for analysis and sorting. Cytomation recognizes that laboratories not only need high quality flow cytometers, but also need high quality supplies for optimal performance.

SHEATH FLUID TECHNICAL SPECIFICATIONS

Cytomation Sheath Fluid:	One carton contains two 6 liter bags of concentrate
Ultraviolet Absorbance:	0.005 AU at 200 nm, 250 nm, 300 nm and 400 nm
Refractive Index:	<1.333 ²⁰ _D
Residue:	<1 mg/l
HPLS Gradient Elution:	No peaks greater than 0.002 absorbance units or 257 nm ultraviolet detection.
Concentration:	8x (one 6 liter bag of sheath fluid concentrate to 7 liters high purity or sterile water)
SALT MOLARITY:	(After dilution)
KPO₄:	1.9 mM
KCl:	3.8 mM
NaPO₄ (dibasic):	16.6 mM
NaCl:	139.0 mM

Cytomation, Inc. is a privately held bio-technical instrumentation corporation specializing in high-performance, high-speed flow cytometer analyzers, sorters and upgrades. Our mission is to design, produce, and service the finest flow cytometers and cell sorters in the world — unparalleled in performance, accuracy, versatility, reliability and speed. MoFlo, our premier flow cytometer, is a modular system that is easily upgraded whenever requirements change or new modules become available.

North America

Cytomation, Inc.
4850 Innovation Drive
Fort Collins, CO 80525
USA
Telephone: 970.226.2200
Facsimile: 970.226.0107
E-mail: info-northamerica@cytomation.com

Europe

Cytomation Bioinstruments GmbH
Engesserstrasse-4
79108 Freiburg im Breisgau
Germany
Telephone: 49.761.559.7370
Facsimile: 49.761.559.7375
E-mail: info-europe@cytomation.com

Australasia

Cytomation PTY LTD
60-66 Hanover Street
Fitzroy, Vic 3065
Australia
Telephone: 613.9417.4577
Facsimile: 613.9417.2987
E-mail: info-australasia@cytomation.com