

Read this package insert carefully before use

## Sheath Fluid

**REF** 04-4007\_R

### APPLICATION

**RUO** For Research Use Only. Not for use in diagnostic procedures.

Sheath Fluid is intended to ensure that the sample introduced to the flow cytometer will run under hydrodynamic focusing. Sheath Fluid permits the system to run under controlled conditions with particles passing through the flow cell in single file order.

### KIT COMPONENTS

Packing contains the following reagents:

- 5000 ml *Sheath Fluid*

Sheath Fluid is an aqueous solution. For further information refer to its Safety Data Sheet(s).

### PRINCIPLE OF EXAMINATION METHOD

Sheath Fluid will be passed through the fluidic system of the flow cytometer via vacuum pressure. Once the Sheath Fluid is running at laminar flow, the sample flow will be injected into the centre of the stream, at a slightly higher pressure. The principles of hydrodynamic focusing cause the cells to align, single file in the direction of flow. For further information refer to the Instructions for Use (IFU) of the flow cytometer.

### ADDITIONAL REQUIRED EQUIPMENT

A clean sample tube compliant to the flow cytometer. For further information refer to the IFU of the flow cytometer.

### STORAGE AND STABILITY

#### Storage

Store at 2-25 °C, do not freeze or expose to elevated temperatures.

#### Shelf life

Please refer to the expiration date on the container label.

### Shelf life after first opening

Sheath Fluid will be stable at least 7 days after first use. Always use a new clean tap after the Sheath Fluid container was first opened. Close the tap after each use, to avoid contamination.

### HAZARD AND PRECAUTIONARY STATEMENTS

Harmful if swallowed. Avoid contact with eyes, skin and clothing. Sheath Fluid is not hazardous. For further information refer to the Safety Data Sheet(s). Find Safety Data Sheets to our products at [www.sysmex-partec.com](http://www.sysmex-partec.com)

### PERSONAL PROTECTIVE EQUIPMENT

When using the reagent(s) make sure to wear suitable PPE (gloves, eye protection and chemical work clothing). For additional information please consult Safety Data Sheet(s).

### INDICATIONS OF DETERIORATION

Do not use Sheath Fluid after appearance of any kind of turbidity or contamination. For questions regarding to the performance or quality of the product received, please contact your local Sysmex representative.

### DISPOSAL PROCEDURE

Disposal procedure should meet requirements of applicable local regulations.

### MANUFACTURER

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### SYMBOLS



Reference  
Number



Temperature  
Limitation



Manufacturer



For Research  
use Only



Consult  
instructions  
for use