



# autoMACS™ Rinsing Solution

Order no. 130-091-222

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## 1. Description

**Components** 6×1.45 L autoMACS™ Rinsing Solution

**Capacity** For up to 15 autoMACS programs of priming, rinsing, or cleaning per bottle; for preparation of 6×1.5 L of MACS® Separation Buffer.

**Product format** autoMACS Rinsing Solution (pH 7.2) contains EDTA. It does not contain protein or stabilizer. This solution is sterile filtered.

**Storage** Store protected from light at room temperature. The expiration date is indicated on the bottle label.

### 1.1 Principle of an autoMACS™ Separation

autoMACS™ Instruments are designed for automated magnetic sorting of cell samples employing MACS® Technology. Prior to usage the autoMACS Separator or the autoMACS Pro Separator is primed with MACS Separation Buffer (autoMACS Running Buffer). Then, a magnetically labeled cell sample is applied to the instrument and the appropriate cell separation program is chosen. The cell separation process is performed automatically and proceeds as follows. The cell sample is loaded on the autoMACS Separation Column, which is placed in the magnetic field of the autoMACS Magnet. The magnetically labeled cells are retained within the column. The unlabeled cells are eluted as the negative fraction. Then, the magnet is retracted automatically from the column and the magnetically retained cells are eluted as the positively selected cell fraction.

Before proceeding to the next cell sample the system is rinsed automatically with the wash program selected. After the last separation of the day autoMACS Instruments must be shut down with a short term or long term storage program.

For more information please refer to the respective autoMACS User Manual.

### 1.2 Applications

▲ This solution is **not suited** for autoMACS Pro Separator rinsing programs.

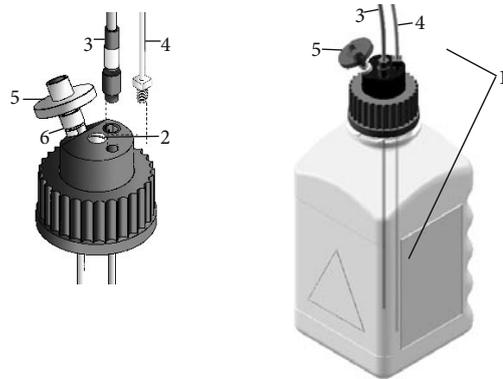
- autoMACS Separator (# 201-01) rinsing programs RINSE, CLEAN, SLEEP, and STORE.
- autoMACS Separator decontamination program SAFE.
- Preparation of a preservative-free MACS Separation Buffer.

## 2. How to connect

The three different autoMACS Buffers, the autoMACS Running Buffer, the autoMACS Rinsing Solution and the cleaning (storage)

solution are directly connected with the autoMACS Separator's fluidic system by color-coded bottle closures (1, for more information see also autoMACS User Manual). The screw (2), fluid sensor cable connector (3), and tubing connector (4) of the Rinsing Solution's bottle closure are color-coded yellow (see fig. 1). To connect a bottle of autoMACS Rinsing Solution screw the bottle closure with the yellow color-code onto the buffer bottle.

▲ **Note:** The bottle closures are autoclavable. To autoclave unplug the fluid sensor cable (3), and unscrew the tubing connector (4) from the bottle closure. Discard the hydrophobic air filters (5). Take care not to remove the luer-to-thread air filter connector (6) from the bottle closure.



## 3. Volumes required

The following table indicates the buffer consumption during the different autoMACS Programs:

Program	Volumes used [mL]		
	Running Buffer	Rinsing Solution	Cleaning solution
Separation program	50	-	-
QRinse	50	-	-
Rinse	50	100	-
Clean	50	100	50
Sleep	-	100	50
Store	-	100	100

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**Miltenyi Biotec**

Miltenyi Biotec GmbH  
Friedrich-Ebert-Straße 68, 51429 Bergisch Gladbach, Germany  
Phone +49 2204 8306-0 Fax +49 2204 85197  
macs@miltenyibiotec.de

www.miltenyibiotec.com



Miltenyi Biotec Inc.  
12740 Earhart Avenue, Auburn CA 95602, USA  
Phone 800 FOR MACS, +1 530 888 8871 Fax +1 530 888 8925  
macs@miltenyibiotec.com