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- autoMACS Separation and Washing Programs.
- Manual cell separations using the MiniMACS[™], MidiMACS[™], OctoMACS[™], SuperMACS[™] II, or QuadroMACS[™] Cell Separation System.

Warnings

Reagents contain sodium azide. Under acidic conditions sodium azide yields hydrazoic acid, which is extremely toxic. Azide compounds should be diluted with running water before discarding. These precautions are recommended to avoid deposits in plumbing where explosive conditions may develop.

Refer to www.miltenyibiotec.com for all data sheets and protocols. Miltenyi Biotec provides technical support worldwide. Visit www.miltenyibiotec.com/local to find your nearest Miltenyi Biotec contact.

1. Description

This product is for research use only.

Components	6 × 1.5 L autoMACS [®] Running Buffer
Capacity	For up to 30 autoMACS Programs, corresponds to up to 15 autoMACS Separations per bottle.
Product format	autoMACS Running Buffer (pH 7.2) contains phosphate buffered saline (PBS), bovine serum albumin (BSA), EDTA, and 0.09% azide. This solution is sterile-filtered.
Storage	Store protected from light at room temperature. Once opened, store for max. 21 days. 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 an autoMACS 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 autoMACS Separator user manual.

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