



Miltenyi Biotec

# MACSQuant® Tyto™ Running Buffer

100 mL  
6× 100 mL

130-107-206  
130-107-207

## Contents

1. Description
  - 1.1 Background information
  - 1.2 Reagent and instrument requirements
2. Cell preparation

## 1. Description

This product is for research use only.

<b>Components</b>	100 mL MACSQuant® Tyto™ Running Buffer or 6× 100 mL MACSQuant® Tyto™ Running Buffer
<b>Capacity</b>	100 mL for up to 10 sorts or 6× 100 mL for 60 sorts with up to 10 mL per sort.
<b>Product format</b>	The filtered (0.22 µm) MACSQuant® Tyto™ Running Buffer (pH 7.4) contains low concentration of salts and stabilizer.
<b>Storage</b>	Store the MACSQuant Tyto Running Buffer protected from light at 2–8 °C. The expiration date is indicated on the bottle label.

### 1.1 Background information

The MACSQuant Tyto Running Buffer has been developed for the optimal processing of cells in combination with the MACSQuant Tyto Cartridges and the MACSQuant Tyto instrument.

### 1.2 Reagent and instrument requirements

- MACSQuant Tyto (# 130-103-931)
- MACSQuant Tyto Cartridges (# 130-106-088)
- Pre-Separation Filters (20 µm) (# 130-101-812)
- Washing buffer: Prepare a solution containing phosphate-buffered saline (PBS), pH 7.2, and 0.5% bovine serum albumin (BSA). Pass the buffer through a 0.22 µm filter for sterile filtration. Store buffer at 2–8 °C.

## 2. Cell preparation

▲ Volumes given below are for one sort using 10 mL of MACSQuant Tyto Running Buffer.

▲ Refer to the MACSQuant Tyto user manual for instructions on how to use the instrument.

1. Stain the cells with the fluorochrome-conjugated antibodies of interest according to the respective antibody protocol.  
▲ **Note:** If the staining buffer contains EDTA please wash the cells once with washing buffer to remove EDTA.
2. Wash cells by adding washing buffer (10–40 mL) and centrifuge at 300×g for 10 minutes. Aspirate supernatant completely.  
▲ **Note:** The washing buffer volume is depending on the cell number. Please refer to the respective antibody protocol.
3. Resuspend the cell pellet in MACSQuant Tyto Running Buffer (0.5–10 mL) depending on cell number.
4. Pass cells through a 20 µm nylon mesh (Pre-Separation Filters (20 µm), # 130-101-812) to remove cell clumps which may clog the cartridge. Moisten filter with buffer before use.
5. Add the sample into a MACSQuant Tyto Cartridge. Please refer to the data sheet of the MACSQuant Tyto Cartridges for detailed information.

All protocols and data sheets are available at [www.miltenyibiotec.com](http://www.miltenyibiotec.com).

## Warranty

The products sold hereunder are warranted only to be free from defects in workmanship and material at the time of delivery to the customer. Miltenyi Biotec GmbH makes no warranty or representation, either expressed or implied, with respect to the fitness of a product for a particular purpose. There are no warranties, expressed or implied, which extend beyond the technical specifications of the products. Miltenyi Biotec GmbH's liability is limited to either replacement of the products or refund of the purchase price. Miltenyi Biotec GmbH is not liable for any property damage, personal injury or economic loss caused by the product.

MACS, the MACS logo, MACSQuant, and Tyto are registered trademarks or trademarks of Miltenyi Biotec GmbH and/or its affiliates in various countries worldwide.

Unless otherwise specifically indicated, Miltenyi Biotec products and services are for research use only and not for diagnostic or therapeutic use.

Copyright © 2017 Miltenyi Biotec GmbH and/or its affiliates. All rights reserved.