Miltenyi Biotec

MACS® SmartStrainers

Contents

1. Description
   - 1.1 Important safety information
   - 1.2 Background information
   - 1.3 Applications
   - 1.4 Technical specifications

1. Description

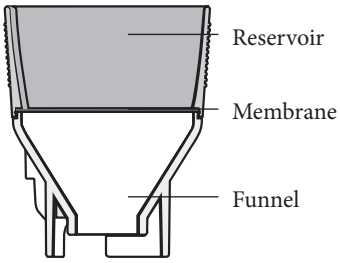
This product is for research use only.

For use by professional laboratory personnel only.

Products

	50 filters, sterile and single packed	100 filters, sterile packed as 4×25
MACS SmartStrainers (30 µM) yellow colored	130-098-458	130-110-915
MACS SmartStrainers (70 µM) purple colored	130-098-462	130-110-916
MACS SmartStrainers (100 µM) orange colored	130-098-463	130-110-917

Storage Store MACS SmartStrainers dry. The expiration date is indicated on the box label.



1.1 Important safety information

Warning

All biological material must be considered potentially infectious. Regulations for the treatment and disposal of infectious materials must be observed.

1.2 Background information

MACS SmartStrainers are designed for the easy removal of cell aggregates or large particles after tissue dissociation or from blood samples to obtain uniform single-cell suspensions. The smart design of the filters allows improved ventilation during filtration, and so avoids clogging of the filter. The MACS SmartStrainers easily fit into standard 15 and 50 mL conical tubes of all major suppliers. Their compact design facilitates sterile handling.
One set contains 50 or 100 ready-to-use filters.

1.3 Applications

- Generation of single-cell suspensions after tissue dissociation by removing cell aggregates or other large particles.
- Filtering of blood or bone marrow samples to remove cell clumps or other large particles.

1.4 Technical specifications

- For single use only.
- Mesh size: 30 µm, 70 µm, or 100 µm, respectively.
- Reservoir volume: 16 mL.
- Filter area: about 7 cm^2.
- Width: 37 mm.
- Height: 45 mm.
- Ventilation (avoids flow stop caused by pressure).

▲ Moisten MACS SmartStrainers with media or buffer before use.

▲ Avoid producing air bubbles during filtering.

Refer to **www.miltenyibiotec.com** for all data sheets and protocols. Miltenyi Biotec provides technical support worldwide. Visit www.miltenyibiotec.com for local Miltenyi Biotec Technical Support contact information.

Miltenyi Biotec B.V. & Co. KG
Friedrich-Ebert-Straße 68, 51429 Bergisch Gladbach, Germany
Phone +49 2204 8306-0, Fax +49 2204 85197
macsde@miltenyi.com
www.miltenyibiotec.com

Legal notices

Limited product warranty

Miltenyi Biotec B.V. & Co. KG and/or its affiliate(s) warrant this product to be free from material defects in workmanship and materials and to conform substantially with Miltenyi Biotec's published specifications for the product at the time of order, under normal use and conditions in accordance with its applicable documentation, for a period beginning on the date of delivery of the product by Miltenyi Biotec or its authorized distributor and ending on the expiration date of the product's applicable shelf life stated on the product label, packaging or documentation (as applicable) or, in the absence thereof, ONE (1) YEAR from date of delivery ("Product Warranty"). Miltenyi Biotec's Product Warranty is provided subject to the warranty terms as set forth in Miltenyi Biotec's General Terms and Conditions for the Sale of Products and Services available on Miltenyi Biotec's website at www.miltenyibiotec.com, as in effect at the time of order ("Product Warranty"). Additional terms may apply. BY USE OF THIS PRODUCT, THE CUSTOMER AGREES TO BE BOUND BY THESE TERMS. THE CUSTOMER IS SOLELY RESPONSIBLE FOR DETERMINING IF A PRODUCT IS SUITABLE FOR CUSTOMER'S PARTICULAR PURPOSE AND APPLICATION METHODS.

Technical information

The technical information, data, protocols, and other statements provided by Miltenyi Biotec in this document are based on information, tests, or experience which Miltenyi Biotec believes to be reliable, but the accuracy or completeness of such information is not guaranteed. Such technical information and data are intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. Miltenyi Biotec shall not be liable for any technical or editorial errors or omissions contained herein.

All information and specifications are subject to change without prior notice. Please contact Miltenyi Biotec Technical Support or visit www.miltenyibiotec.com for the most up-to-date information on Miltenyi Biotec products.

Licenses

This product and/or its use may be covered by one or more pending or issued patents and/or may have certain limitations. Certain uses may be excluded by separate terms and conditions. Please contact your local Miltenyi Biotec representative or visit Miltenyi Biotec's website at www.miltenyibiotec.com for more information.

The purchase of this product conveys to the customer the non-transferable right to use the purchased amount of the product in research conducted by the customer (whether the customer is an academic or for-profit entity). This product may not be further sold. Additional terms and conditions (including the terms of a Limited Use Label License) may apply.

CUSTOMER'S USE OF THIS PRODUCT MAY REQUIRE ADDITIONAL LICENSES DEPENDING ON THE SPECIFIC APPLICATION. THE CUSTOMER IS SOLELY RESPONSIBLE FOR DETERMINING FOR ITSELF WHETHER IT HAS ALL APPROPRIATE LICENSES IN PLACE. Miltenyi Biotec provides no warranty that customer's use of this product does not and will not infringe intellectual property rights owned by a third party. BY USE OF THIS PRODUCT, THE CUSTOMER AGREES TO BE BOUND BY THESE TERMS.

Trademarks

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

Copyright © 2026 Miltenyi Biotec and/or its affiliates. All rights reserved.