

## Contents

### 1. Description

- 1.1 Background information
- 1.2 Technical specifications
- 1.3 Reagent and instrument requirements
- 1.4 Applications

### 2. Instructions for use

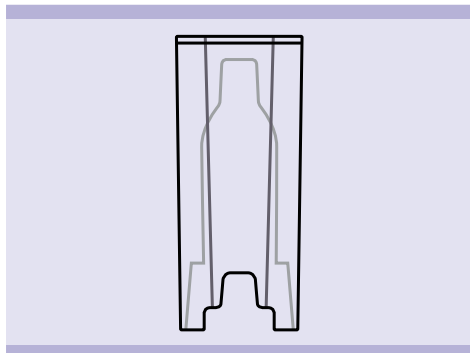
## 1. Description

This product is for research use only.

**Components** 4× gentleMACS Octo Coolers

**Storage** Store at room temperature (+19 to +25 °C). The expiration date is indicated on the box label.

Freeze gentleMACS Octo Coolers in upright position at –20 °C for at least 10 hours before use.



**Figure 1:** Upright position of gentleMACS Octo Cooler.

### 1.1 Background information

The gentleMACS Octo Cooler is intended to be used to keep samples cold during their preparation on the gentleMACS Octo Dissociators. All individual eight positions of a gentleMACS Octo Dissociator can be equipped with gentleMACS Octo Coolers at the same time.

The gentleMACS Octo Cooler is designed to be used in combination with all types of gentleMACS Tubes or gentleMACS Perfusers. The frozen gentleMACS Octo Cooler can be placed over already installed gentleMACS Tubes and Perfusers.

The gentleMACS Octo Cooler must be frozen in an upright position (refer to figure 1) at –20 °C for at least 10 hours before use. The temperature of the liquids inside the gentleMACS Tubes is maintained between +2 to +8 °C for 1 hour (at max. ambient temperature of +35 °C) without any risk of the liquid freezing in the gentleMACS Tube.

After use, the gentleMACS Octo Cooler is detached from the gentleMACS Instrument without removing the tube and can be re-frozen at –20 °C.

### 1.2 Technical specifications

- Dimensions
  - Length: 122.1 mm
  - Diameter: 57.9 mm
- Weight: 167 g
- Recommended working temperature is between +10 °C and +35 °C.

### 1.3 Reagent and instrument requirements

- gentleMACS Octo Dissociator with Heaters
- gentleMACS C Tubes (# 130-093-237), M Tubes (# 130-093-236), or M Tubes with Strainer (# 130-094-392)
- (Optional) Nuclei Extraction Buffer (# 130-128-024) and Anti-Nucleus MicroBeads (# 130-132-997)

### 1.4 Applications

The gentleMACS Octo Cooler is an accessory for the gentleMACS Octo Dissociators and allows samples to be kept at +2 to +8 °C during cold dissociation or homogenization. Tissue samples are processed on a gentleMACS Octo Dissociator, e.g., to obtain single cell suspensions or for the extraction of nuclei or other biomolecules such as mRNA, total RNA, or proteins.

For further details and more applications, refer to [www.miltenyibiotec.com](http://www.miltenyibiotec.com). The gentleMACS Protocols are also online available at [www.miltenyibiotec.com/protocols](http://www.miltenyibiotec.com/protocols).

## 2. Instructions for use

- Before putting the gentleMACS Octo Cooler in the freezer, shake it gently and wipe off any condensate on the surface with a soft cloth.
- Store and freeze in an **upright** position as shown in figure 1.
- Freeze the gentleMACS Octo Cooler in an upright position at –20 °C for at least 10 hours. Do not freeze the gentleMACS Octo Cooler at temperatures below –20 °C.
- The frozen gentleMACS Octo Cooler can be placed over already installed gentleMACS Tubes or Perfusers.
- In case of a short gentleMACS program, e.g., 4C\_nuclei\_1, the gentleMACS Octo Cooler can be used multiple times (up to five times) before it is placed back in the freezer.
- The visible, non-soluble particles in the cooling liquid are present intentionally and do not affect use.
- Remove the gentleMACS Octo Cooler from the gentleMACS Dissociator directly after completion of the run.

Refer to [www.miltenyibiotec.com](http://www.miltenyibiotec.com) for all data sheets and protocols. Miltenyi Biotec provides technical support worldwide. Visit [www.miltenyibiotec.com](http://www.miltenyibiotec.com) for local Miltenyi Biotec Technical Support contact information.

## 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](http://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](http://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](http://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

gentleMACS, MACS, and the Miltenyi Biotec logo are registered trademarks or trademarks of Miltenyi Biotec and/or its affiliates in various countries worldwide. All other trademarks mentioned in this publication are the property of their respective owners and are used for identification purposes only.

Copyright © 2025 Miltenyi Biotec and/or its affiliates. All rights reserved.