gentleMACS™ Perfusion Sleeves

Order no. 130-128-752

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1. Description

This product is for research use only.

Components	2×2 gentleMACS™ Perfusion Sleeves
Storage	Store gentleMACS Perfusion Sleeves dry and at room temperature.

1.1 Background information

The gentleMACS Perfusion Sleeves are exclusively designed for the gentleMACS Perfusion Technology using the gentleMACS Octo Dissociator with Heaters. The standard sleeve of the dissociator is replaced by the gentleMACS Perfusion Sleeve. Therefore, the gentleMACS Perfusion Sleeve needs to be attached to the vacated metal pin by pressing it down completely. The spring must be relaxed again after this installation step.
After attaching the gentleMACS Perfuser onto the installed gentleMACS Perfusion Sleeve, the rotation of the sleeve compresses the channel of the pump membrane at the bottom of the perfuser base. Thereby, a flow is generated, which will constantly pump liquids through the needles in the middle of the perfuser base.
For more information on the gentleMACS Perfuser please refer to the respective data sheet.

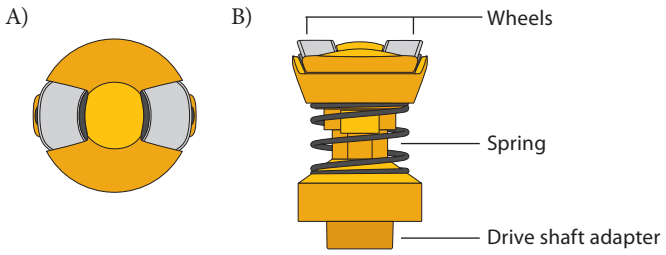


Figure 1: Top (A) and frontal view (B) of the gentleMACS Perfusion Sleeve.

1.2 Technical specifications

- Dimensions
  - Length: 30 mm
  - Diameter: 20 mm
- Recommended working temperature is betweeen 4 °C and 40 °C.

▲ **Note:** The gentleMACS Perfusion Sleeve is only compatible with the gentleMACS Perfuser. Regular gentleMACS C and M Tubes cannot be used with the gentleMACS Perfusion Sleeve.

1.3 Reagent and instrument requirements

- gentleMACS Octo Dissociator with Heaters (# 130-096-427), software version H22 or higher
- gentleMACS Perfusers (# 130-128-151)
- MACS® Tissue Perfusion Kits, e.g. MACS Liver Perfusion Kit, mouse and rat (# 130-128-030)

1.4 Applications

The gentleMACS Perfusion Sleeves together with the gentleMACS Perfusers and MACS Perfusion Kits are designed for the perfusion of tissues to obtain highly viable single-cell suspensions afterwards.

For further details and more applications, please refer to www.miltenyibiotec.com. The gentleMACS Protocols are also online available at www.miltenyibiotec.com/protocols.

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.

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