

INSTRUCTIONS FOR USE



OFM PERFUSATE BAG – 10ML FOR LABORATORY USE



Instructions for product type: OFM-BAG

READ Instructions for use before using the product! **ALWAYS** follow the warnings, cautions, and notes throughout this document. If you have questions regarding the safe or correct use of the product, please contact **your distributor**.



This document is available via download link. If required, a paper version can be requested from the distributor.

1 Intended Use

The OFM Perfusate Bag is an accessory for the OFM Microperfusion Pump (Type: MPP10x), to be used for performing microperfusion or microdialysis in the skin, subcutaneous adipose tissue or brain during preclinical studies / laboratory use.

The investigator is responsible for the specific use of the products and compliance with all national regulations regarding the use of laboratory animals.

For this purpose, a physiologically compatible liquid ('perfusate') is pumped out of the OFM Perfusate Bag through the OFM Catheter at a very low flow rate (1µl/min) ('microperfusion'). Due to the open and membrane-free exchange surface, the perfusate can absorb practically any substances in the surrounding environment.

CAUTION

DO NOT use on humans! This OFM Perfusate Bag has **NOT** been approved for use on humans!

USE OFM Perfusate Bag for laboratory animals or ex-vivo setups **ONLY**.

DO NOT use OFM Perfusate Bag on household pets and other non-laboratory animals.

DO NOT use inflammable fluids or any other dangerous liquid (e.g. acids, alkaline solutions, solvents, detergents, etc.) or hot fluids (>45°C) as perfusate! These liquids could damage the OFM OFM Perfusate Bag.



2 Directions for Use

2.1 Included Parts of OFM Perfusate Bag

Capacity of OFM Perfusate Bag: 10ml

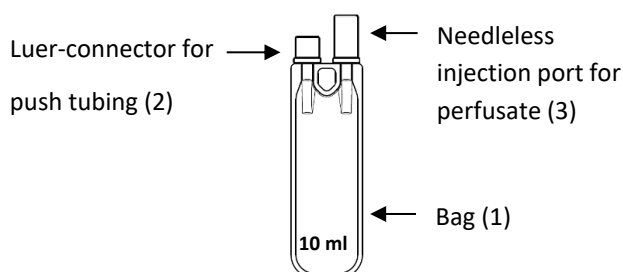


Figure 1: Parts of OFM Perfusate Bag: (1) Bag, (2) Luer-connector for push tubing, (3) Needleless injection port for perfusate.

2.2 Filling the OFM Perfusate Bag

Attention: Work as sterile as possible during the whole process!

1. Unpack OFM Perfusate Bag.
2. Remove red protection cap of OFM Perfusate Bag by turning it counter clockwise. DO NOT remove needleless injection port (Figure 2).
3. Connect OFM Perfusate Bag with the OFM PUSH-Tubing by turning the luer-connector clockwise (Figure 3).
4. Fill the OFM Perfusate Bag with perfusate using the needleless injection port and a sterile syringe (Figure 4).
5. Remove any air bubbles by tapping on the OFM Perfusate Bag with your finger whilst injection port is facing upwards. Air bubbles should then collect near the needleless injection port (Figure 5).
6. Withdraw these air bubbles with the same syringe that was used for filling (Figure 6).
7. Insert OFM Tubing described in the Instructions for Use of the OFM Tubing or OFM Pump.



Figure 2: Remove red protection cap from the OFM Perfusate Bag.



Figure 3: Connect the OFM Perfusate Bag via luer-connector with the PUSH-part of the OFM Tubing.



Figure 4: Fill the OFM Perfusate Bag via injection port.



Figure 5: Remove air bubbles.



Figure 6: OFM Perfusate Bag without air bubbles.

CAUTION



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BIOHAZARD

Used and removed OFM Perfusate Bags are biohazardous and must be disposed accordingly!

2.3 Refilling the OFM Perfusate Bag

- Refilling the OFM Perfusate Bag can be done during operation of the OFM Pump.
- Simply refill the OFM Perfusate Bag with a (sterile) syringe via the needleless injection port.
- During refill, avoid introducing air bubbles, as these could be directly pumped into the OFM Tubing.

2.4 Changing the OFM Perfusate Bag

- When changing the OFM Perfusate Bag, a new, empty one should already be prepared.
- The pump heads have to remain closed.
- The OFM Tubing must remain in the pump!
- Stop the pump to avoid air bubbles from entering the system.
- Open the cover of the pump heads and remove the empty OFM Perfusate Bag.
- Loosen the luer-connector from the empty OFM Perfusate Bag and screw it onto the new empty OFM Perfusate Bag. A few drops of perfusate could drop out of the (nearly) empty OFM Perfusate Bag.
- Fill the new OFM Perfusate Bag with perfusate using the needleless injection port and a sterile syringe and remove air bubbles as described 2.2. steps 4 to 6.
- Insert the new OFM Perfusate Bag in the right storage compartment of the pump and close the cover.
- Start pump again.

3 Combination with Other Products

For optimal performance, operate the OFM Perfusate Bag with manufacturer-approved accessories like:

- Microperfusion Pump MPP102 PC
- OFM Tubing (preclinical)
- cOFM probes (preclinical)
- a/d OFM probes (preclinical)



CAUTION

When using above-listed products with the OFM Perfusate Bag, **ALWAYS** observe the Instructions for Use of the respective product!

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Doc. No.: UM_OFM-Bag_2-0

Date: 27-SEP-2021