



INSTRUCTIONS FOR USE



FRACTION COLLECTOR NEEDLE INSERT FOR LABORATORY USE



Instructions for product type: OFM-ANI-1

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 Fraction Collector Needle Insert (OFM-ANI-1) is an accessory for the OFM system, 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 probe at a very low flow rate (1 μ l/min) ('microperfusion'). Due to the open and membrane-free exchange surface, the perfusate can absorb practically any substances in the surrounding environment.

Samples extracted from these tissues can be collected automatically using small and large volume automated refrigerated fraction collectors from BASi. Nevertheless, some samples (e.g. lipophilic) might show adsorption to the surface of the passivated stainless steel sampling needle (BASi MW-2310) of the refrigerated fraction collector, which is used to puncture the PCR tubes for sample collection). Thus, to avoid this unintended adsorption a Fraction Collector Needle Insert, made of PEEK (Polyether ether ketone), can be used. The Fraction Collector Needle Insert is a gamma-irradiated liner with an integrated guide wire, so that it can be easily inserted into the passivated stainless steel sampling needle, avoiding adsorption.

CAUTION



The Fraction Collector Needle Insert is designed and tested for BASi fraction collectors only. It may not fit into other fraction collectors!

CAUTION

DO NOT use on humans! This OFM Fraction Collector Needle Insert has **NOT** been approved for use on humans!



USE OFM Fraction Collector Needle Insert for laboratory animals or ex-vivo setups **ONLY**.

DO NOT use OFM Fraction Collector Needle Insert on household pets and other non-laboratory animals.

DO NOT pierce yourself with needle or needle insert. This can lead to the potential risk of serious injury and /or infection, which can result in death.

2 Directions for Use

2.1 Included Parts of OFM Fraction Collector Needle

The OFM Fraction Collector Needle Insert consists of PEEK liner and guide wire.



Figure 1: Automated refrigerated fraction collector from BASi with passivated stainless steel sampling needle (1).



Figure 2: Parts of OFM Fraction Collector Needle Insert: (2) PEEK liner, (3) guide wire

2.2 Installing the OFM Fraction Collector Needle Insert

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

1. Unpack OFM Fraction Collector Needle Insert (Figure 3).
2. Insert OFM Fraction Collector Needle Insert into the passivated stainless steel sampling needle (Figure 4).
3. Remove the guide wire (Figure 5).
4. Now the passivated stainless steel sampling needle allows sampling with less adsorption (Figure 6). The removed guide wire can be now disposed.
5. Connect your tubing system according the instructions of use of the Automated refrigerated fraction collector from BASi.



Figure 3: OFM Fraction Collector Needle Insert with guide wire



Figure 4: Insert the OFM Fraction Collector Needle Insert into the passivated stainless steel sampling needle (BASi)



Figure 5: Remove the guide wire



Figure 6: Ready for sampling. Dispose guide wire.

2.3 Removing the Fraction Collector Needle insert

Remove the PEEK liner (single use) from the passivated stainless steel sampling needle (reusable) and dispose it in a sharps container. See Figure 7 and Figure 8.



Figure 7: Remove the PEEK liner.



Figure 8: Passivated stainless steel sampling needle without PEEK liner.



BIOHAZARD

Used and removed Fraction Collector Needle Inserts are biohazardous and must be disposed accordingly!

3 Combination with Other Products

For optimal performance, operate the Fraction Collector Needle Insert with manufacturer-approved accessories like:

- Microperfusion Pump MPP102 PC
- OFM Tubing (preclinical)
- OFM probes (preclinical)
- Automated Fraction Collectors from BASi
- passivated stainless steel sampling needle (BASi MW-2310)

CAUTION



When using above-listed products with the Fraction Collector Needle Insert, **ALWAYS** observe the Instructions for use of the respective product!

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