bioPROBE & multiSAM

Automated sterile sampling and superior sampling processing

- Automated aseptic sampling and transfer
- Advanced solutions for cooled sample storage
- Superior cleaning concept – Sterile by design
- Multitude of connectable devices
- Sophisticated Filtering technology
- Storage of more than 350 samples
- Works with vials/microplates in all sizes and shapes
- Sterile sampling from up to four bioreactors
bioPROBE & multiSAM – Overview

Aseptically drawn sampling feed from bioPROBE

- Complete control via bioPROBE - No additional software required
- Complete and compliant logging via bioPROBE of every sampling step
- OPC/TTL/Serial interfaces via bioPROBE
- Sampling from bioreactors and liquid systems of every type and scale
- Sampling from up to 4 bioreactors with bioPROBE quad

Elaborate cleaning and safety concept adapted to the special demands of biotechnology

- Sophisticated needle cleaning and storing in between sampling
- Most flexible autosampler with a multitude of different configurations for peripherals

Valuable and elegant stainless steel design

- Switching between different configurations / connected peripherals within minutes

<table>
<thead>
<tr>
<th>Measures</th>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>718 mm</td>
<td>339 mm</td>
<td>476 mm</td>
</tr>
</tbody>
</table>

bioPROBE & multiSAM – Aseptic Sampling and Customized Solutions for Cell Counters and other Sample Analyzers

- Automated flow cytometry with MACSQuant™ by Miltenyi Biotec GmbH
- Automated cell counting with Vi-CELL™ XR by Beckman Coulter
- Advanced sample preparation with external liquid handling platforms by SIAS et al.
- Integration of dilution, mixing and other sample preparation modules
- Customized solutions for your PAT process and your analyzers

Example: multiSAM and bioPROBE with MACSQuant™ flow cytometer from Miltenyi Biotec GmbH

bioPROBE & multiSAM – Aseptic Sampling and Superior Filtration

- Elaborate filtering technology (pressure filtration)
- Single-use filtering: One sample – one filter (no cross-contamination, no biofilm problems)
- Available for a variety of volumes from 0.5 ml to 20 ml
- Works with filter plates of all manufacturers: Pall, GE, Millipore, ThermoFisher, Ahn-Bio, ...
- Filter plates for HPLC, protein precipitation and other specific applications available

bioPROBE & multiSAM – Aseptic Sampling and Superior Cooled Sample Storage Solutions

- Based on proven Eppendorf Thermostat C™-technology
- Tempering from 0 °C ... +100 °C
- Smartblocks, vials and microplates available in a variety of sizes from 1 ml to 50 ml
- Smartblocks and vials available for sterile storage
- Adaptable to every vial size and shape
- Tempering from 0 °C ... +100 °C
- Customized solutions for every application

Peltier Cooling

Water Bath Cooling

Eppendorf Thermostat C™-technology

Tempering from 0 °C ... +100 °C

Smartblocks, vials and microplates available in a variety of sizes from 1 ml to 50 ml

Smartblocks and vials available for sterile storage

Adaptable to every vial size and shape

Tempering from 0 °C ... +100 °C

Customized solutions for every application

Water Bath Cooling

Adaptable to every vial size and shape

Tempering from 0 °C ... +100 °C

Customized solutions for every application

bbi-biotech GmbH
Koepenicker Straße 325, H 12
12555 Berlin - Germany

www.bbi-biotech.com

T: +49 (0) 30  65 76 39 40
F: +49 (0) 30  65 76 39 49
M: info@bbi-biotech.com