A broad range of safety collection devices to improve your safety

Specialist collection devices

**Roche MICROSAMPLER PROTECT**

**blood sampling device**

**Therapists like a quick procedure and accurate results.**

Patients like a less traumatic, less painful puncture with one of the smallest gauge needles in the industry. The innovative design and function allow you to provide the best in patient care. The fast, single step procedure fills automatically with minimal arterial pressure and offers sample stability to meet your most exacting standards.

**Prevention of needle stick injuries**

The one-hand operable safety needle of the MICROSAMPLER PROTECT guarantees 100% OSHA and TRPA250 compliance. In addition the integrated plastic capillary reduces the risk of biohazardous contamination compared to glass capillaries that could break.

The transparent housing allows a better visibility of the blood flow through the capillary and helps to control the fill level.

**Clot catchers**

Helping to reduce the problem of difficult samples. Clot catchers can be used as an extra precaution to avoid clots entering the analyzer. Clot catcher for injection and aspiration.

**Clot catcher**

for use with:

- **cobas b 221 POC system**
- capillaries and syringes (injection mode)
- **cobas b 121 POC system**

**Clot cather PRO**

for use with:

- **cobas b 121 POC system**
- **cobas b 123 POC system**
Easier sample handling across the portfolio range of the blood gas analyzers

Sampling accessories

Accessories

1. Adapter for capillaries
Reducing the risk of clotting across the range of blood gas and electrolyte analyzers. Adapter for sample introduction in pH / blood gas instruments [94x. 99x. AVL COMPACT 1-3. AVL OMNI. cobas b 121 POC system/Roche OMNI C system and cobas b 221 POC system/Roche OMNI S system].

2. Adapter for capillaries
Reducing the risk of clotting across the range of blood gas and electrolyte analyzers. Adapter for sample introduction in electrolyte instruments [98x. 988-x and 91xx].

3. Caps for Roche MICROSMPLER PROTECT
Improving blood collection safety.

4. Adapter for sample containers (not heparinized)
Facilitating sampling for further types of sample containers. Adapter for direct sample introduction from vacutainer or bottles (e.g. deproteinizer).

5. Ampoule adapter (not heparinized)
Enable manual and external QC sampling. Ampoule adapter for direct aspiration of quality control and calibration solutions from ampoules into the instrument.
Capillaries
A range of both glass or plastic capillaries to meet your needs.
Our balanced heparin blood gas capillary tubes are ideal for those analyzers that support tests for multiple analytes in addition to traditional blood gas tests. We now offer 100% plastic for safer blood collection reducing the risk of clotted samples. Our plastic capillary tubes provide the same capillary action as glass without the potential risks.

TRPA250 compliance. In addition the integrated plastic capillary reduces the risk of biohazardous contamination compared to glass capillaries that could break. The transparent housing allows a better visibility of the blood flow through the capillary and helps to control the fill level.

BS2 Blood Sampler
Supplied in bulk for convenience.
The BS2 Blood Sampler is well suited for critical care testing samples (arterial and venous). 2 mL natural sample size.
Eliminating pre-analytical errors for the best patient outcome

Integrated safety
- The safety shield is an integrated part of the device, not an accessory
- The needle bevel and safety shield are in alignment
- No extra manipulation needed

Enhanced safety
- Locking mechanism is visually and audibly confirmed
- Immediated activation at needle withdrawal
- Irreversible locking mechanism

One-handed technique
- No change in the collection technique
- Digital pressure to puncture site allowed while neutralising the needle point

BD Eclipse™ safety needle for arterial blood collection
**BD critical care collection syringes**

**Quality syringe with spray dried balanced lithium heparin**
- Eliminates errors due to dilution and electrolyte binding
- Spray drying facilitates dispersion of the anticoagulant
- Enhanced sample stability and quality

**High concentration of anticoagulant**
- Within IFCC standards
- Minimizes clots formation

**Ready-to-use devices**
In a variety of combinations and sizes that address both percutaneous sampling and sampling from an arterial line

**BD A-Line™**
Designed specifically for aspiration of blood samples from arterial lines.

**BD Preset™**
Designed specifically for automatic fill, permits aspiration when necessary.

**BD Luer-Lok™ syringe**
- Recommended for a secured connection of the syringe to any device (line septum, needle, tip cap...)
- Prevents unexpected disconnection during sampling and handling
- Ensures airtight and leakproof sample through all steps

**Aspiration**
For specific patient conditions and emergencies, blood can be drawn manually by aspiration

**Automatic fill**
The syringe plunger is to be set to the recommended volume before sampling. As arterial blood fills the syringe, the residual air is expelled through the self-venting membrane that seals automatically upon blood contact.
# Critical care sampling devices

## Specifications

<table>
<thead>
<tr>
<th>Product No.</th>
<th>Description</th>
<th>Pack size</th>
<th>Needle Gauge</th>
<th>Heparin concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>05772494001</td>
<td>MICROSAMPLER PROTECT, non sterile</td>
<td>200</td>
<td>25 gauge</td>
<td>6 IU balanced sodium heparin and 9 IU balanced lithium heparin/100 µL</td>
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<td>05772583001</td>
<td>MICROSAMPLER PROTECT, sterile</td>
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<td>Kit Roche MICROSAMPLER PROTECT USA</td>
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<td>25 gauge</td>
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<td>03112012180</td>
<td>Clot catcher PRO</td>
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<tr>
<td>03113493035</td>
<td>BS 2 - Blood Sampler (2 mL syringe)</td>
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<tr>
<td>03113477180</td>
<td>Capillary tubes 200 µL</td>
<td>(4x250)</td>
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<td>6 IU balanced sodium heparin and 9 IU balanced lithium heparin/100 µL</td>
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<tr>
<td>03113507035</td>
<td>Capillary tubes 115 µL</td>
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<td>03113647035</td>
<td>Caps for capillary tubes</td>
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<td>03113817035</td>
<td>Capillary adapter</td>
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<td>05174791001</td>
<td>Plastic capillary tubes 140 µL</td>
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<td>05174830001</td>
<td>Sterile capillary holder (with included 140 µL size plastic capillary)</td>
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<td>03066762001</td>
<td>Ampoule adaptor</td>
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<td>Adapter for sample containers</td>
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<td>03140865001</td>
<td>Kit, Autosampler cups 2 mL</td>
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</tbody>
</table>

*For US only*