BrainPro
Cerebral biopsy
**BrainPro cannulas**

**Stereotaxic tissue extraction**

PAJUNK® BrainPro cannulas have been specially designed for single or repeated extraction of tumorous cerebral tissue, using a stereotaxic frame. They are easy to handle and highly functional: The cannula tip has a lateral opening for the incorporation of large biopsy material samples. The tissue cylinder is large enough for the recovery of histology samples. The sealed, closed system also ensures a good vacuum and excellent biopsy material quality. A depth stop allows the puncture depth to be safely determined in advance. BrainPro biopsy sets are designed as an entirely disposable set of instruments, guaranteeing total hygiene and therefore also protection against prion transfer.

**Colours display status**
The cannula is opened and closed via a 180° rotation. This allows a tissue cylinder to be abraded and extracted under aspiration.

**Optimum biopsy material size**
The BrainPro biopsy cannula uses an ingenious cutting technique which allows the best possible biopsy results to be achieved even when multiple samples are extracted. Good biopsy material results are essential for histological examination.
**Biopsy material extraction**

A. The BrainPro puncture cannula is inserted in **closed** position. Depth marking and depth stop ensure the correct puncture depth.

B. The cannula of the two-part BrainPro cannula system is opened via a **180° rotation**.

C. The biopsy chamber is closed while aspiration and a further **180° rotation** are performed, and a tissue cylinder is abraded and removed.

D. The **closed** chamber protects the biopsy material and surrounding tissue from contamination during extraction.

The biopsy material is then carefully extracted. If multiple biopsies are being performed, the procedure described above is repeated as required.

**Puncture depth doubly secured**

Depth markings and depth stop guarantee compliance with the planned puncture depth.

- This means a double protection system in this sensitive environment.

**Multiple tissue extraction**

Tissue samples can be extracted several times, and a slight variation in cannula position is also possible. A special ejection stylet can be used to release the biopsy material.

- **Large tissue cylinder for the extraction of histology samples**
- **Cannula tip with lateral opening for the incorporation of large biopsy material samples**
- **Puncture depth is easily determined by the depth stop**
- **Sharp abscission of the tissue is ensured**
- **Sealed, closed system ensures a good vacuum and an excellent biopsy material quality**
BrainPro

All the information at a glance

BrainPro

Bipartite biopsy cannula for stereotaxic brain biopsy, Ø 1.8 x 250 mm with 10-mm lateral opening, rotatable, 10-ccm vacuum syringe, 25-cm ruler, sterile

<table>
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<th>Product</th>
<th>Size</th>
<th>Item no.</th>
<th>PU</th>
</tr>
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<tbody>
<tr>
<td>BrainPro</td>
<td>Ø 1.8 x 250 mm</td>
<td>1153-2L250</td>
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BrainPro acc. Merlo

Bipartite biopsy cannula, Ø 1.8 x 260 mm with 10-mm lateral opening, rotatable, guide tube Ø 2.3 x 230 mm graduated with stylet, ejection stylet, 10-ccm vacuum syringe, 3-ccm syringe, 25-cm ruler, sterile

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<td>BrainPro acc. Merlo</td>
<td>Ø 2.3 x 230 mm</td>
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