

# PRODUCT INFORMATION

## Berner Spike II

Spikes for the safe extraction of cytostatic drugs



### Scope of application and properties

- + **Maximum protection:** The withdrawal cannulae **Berner Spike II** was developed for use with CMR-drugs e.g. cytostatics, virostatics, monoclonal antibodies, etc. and offers maximum protection whilst being easy to handle.
- + **Application area:** The withdrawal cannulae are used for multiple extraction and injection from and into vials. Through the side opening of the liquid channel the bottles can be emptied completely, leaving virtually no residual volume. Suitable for use with viscous liquids and monoclonal antibodies, as both types are available without a particle filter - easily recognizable by the green protective cap.
- + **Before use:** Check sterile blister pack for any damage! Do not use if blister pack is damaged. We recommend disinfecting the blister pack using a sterilizing wipe before use. Single use product.
- + **Application instructions:** When injecting liquid do not hold the vial upside down, as it clogs the PTFE membrane prevents pressure equalization! Disinfect Halkey-Roberts-valve before each use.
- + **Disposal:** For use in connection with CMR<sup>1)</sup> drugs: Waste requiring supervision (European waste code: 18 01 04 in accordance with 2000/532/EC), in case of heavy contamination waste requiring special supervision (European waste code: 18 01 08\* in accordance with 2000/532/EC); separate collection and disposal!

<sup>1)</sup>: Carcinogenic mutagenic reproductive toxic

### Version

Order No.	126216	PU	50 pieces
+ Plastic spike			
+ Luer-Lock-connection with integrated green protective caps (removable)			
+ Virtually complete emptying of the vial			
+ Without liquid filter – therefore suitable for monoclonal antibodies and viscous liquids			
+ 0.1 µm PTFE – ventilation filter for protection against aerosols			
+ Latex-, silicone oil-, PVC- and DEHP-free			
+ Casing: transparent MABS <sup>2)</sup> – Paclitaxel-resistant			
+ Insulin-resistant			
+ Low dead volume			
+ Suitable for use with CMR drugs (e.g. cytostatics)			
+ Low dead volume: 0,034 ml			
+ This spike was specially developed for vials with a cap diameter of 20mm.			

<sup>2)</sup>: Methyl Methacrylate Acrylonitrile Butadiene Styrene

### CE marking & notified body

CE-marking in accordance with medical devices directive 93/42/EEC. Notified body “0482” ; MEDCERT Certification and Notified Test Body for the Medicine GmbH, Pilatuspool 2, 20355 Hamburg

### Quality management system

Our **quality management system** is **tested and certified** by the TÜV Product Service GmbH in accordance with DIN EN ISO 9001:2015. Regular **audits** and **production site inspections** guarantee the quality of our products.

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## Storage and transport conditions

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Dark (protect against UV- and sun light), cool (+15 to +25°C), dry (relative humidity 30% - 60%)

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## Shelf life

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5 years from the date of sterilisation

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## Manufacturer

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ROWEMED AG; Juri-Gagarin-Ring 4; D-19370 Parchim, Germany

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## Distributor

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Berner International GmbH, Werner-von-Siemens-Str. 19, D-25337 Elmshorn, Germany

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