

PAJUNK®

TrokaBone / TrokaCut

*Aspiration and puncture cannulas
for bone marrow biopsy*



Bone marrow biopsy

MADE IN GERMANY

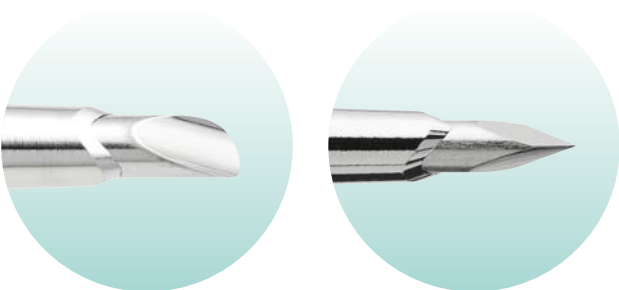
TrokaBone and TrokaCut

Cannula systems for use on the iliac crest

The manufacture of cannula systems for biopsy is one of the core competences of PAJUNK® more than 45 years. PAJUNK® develops sophisticated solutions for bone marrow biopsy, fine needle biopsy, cutting and punch biopsy, brachytherapy as well as tumor markers in cooperation with physicians from various specialties. With TrokaBone and TrokaCut, PAJUNK® offers two combined aspiration and punch cannula systems for bone marrow biopsy on the iliac crest. These differ in their material properties and design.

TrokaBone

Modular system with stable Luer Lock connection and two alternative tip geometries.



Tip with bevelled hollow grinding or with trocar grinding



- TrokaBone:**
- ➔ Two alternative tips
 - ➔ Outstanding stability
 - ➔ Ergonomic handle
 - ➔ Stable metal anchoring system



A robust **metal Luer Lock connection** ensures a stable anchorage of the outer cannula in the handle and high load safety.



TrokaCut

Economical complete system with bayonet lock made of plastic.



Tip with bevelled hollow grinding



- TrokaCut:**
- ➔ Economical alternative
 - ➔ Bayonet fitting
 - ➔ Solid locking



The outer cannula and the solid stylet are firmly connected to each other by a semi-transparent **plastic bayonet lock**.

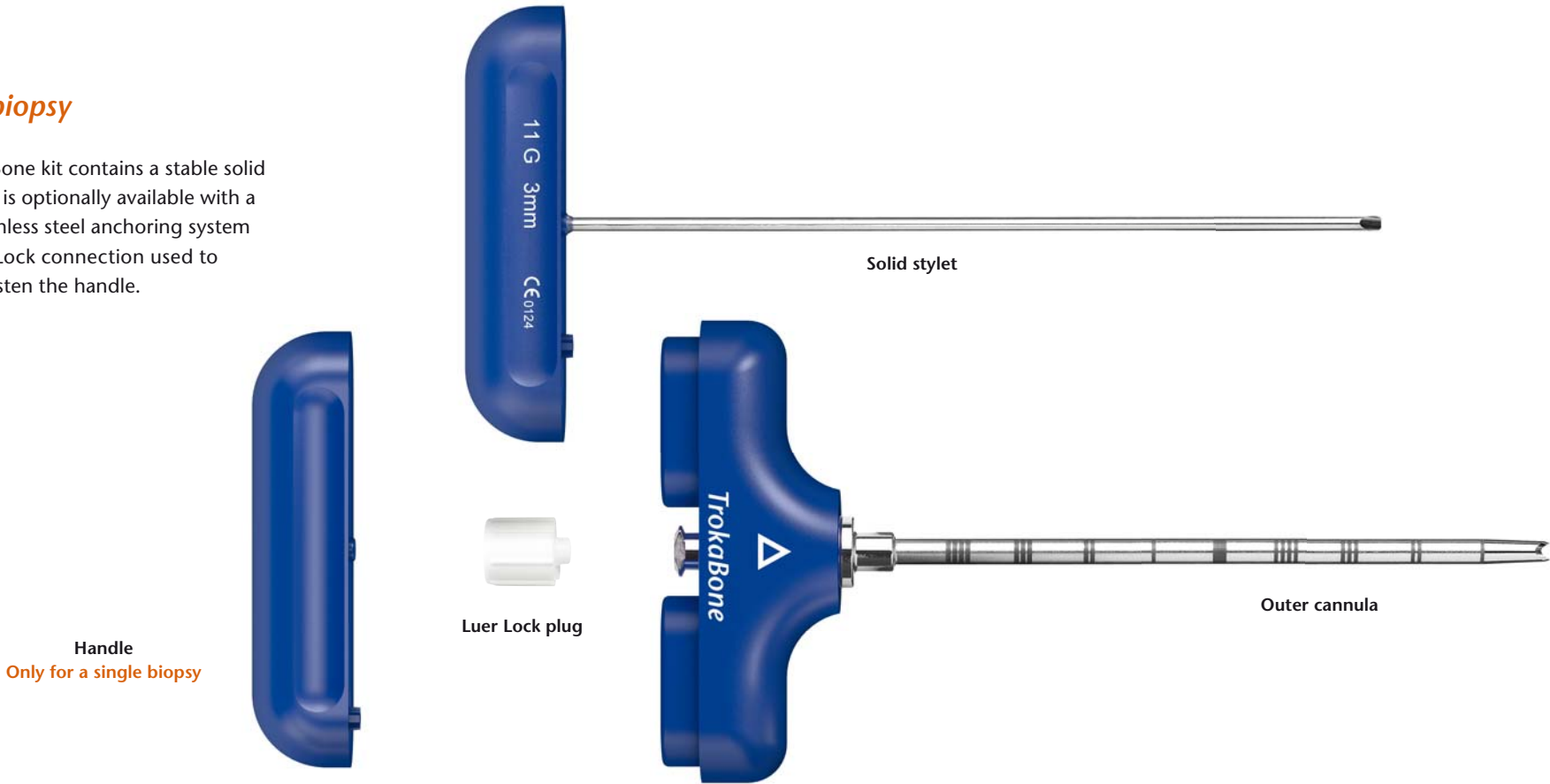
TrokaBone

The robust complete system with stainless steel connection

The TrokaBone puncture set from PAJUNK® consists of a modular system for taking bone marrow samples. This kit offers exceptional ease of use during puncture and aspiration. Equipped with an ergonomic handle and made of robust stainless steel, TrokaBone is characterised by its high stability.

Single biopsy

The TrokaBone kit contains a stable solid stylet. This is optionally available with a robust stainless steel anchoring system with Luer Lock connection used to securely fasten the handle.



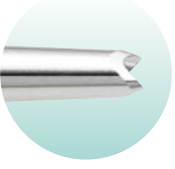
Tip variants



Tip with trocar grinding
Only for a single biopsy



Tip with bevelled hollow grinding



Tapered cannula tip, serrated grinding

Application

Advance the puncture cannula into the bone wall by right and left movements under firm, constant pressure.



Corticalis is penetrated as soon as puncture resistance decreases. Solid stylet is pulled out.

Single biopsy

Further penetration under rotary motion



Sharp serrated grinding cuts off fabric cylinder

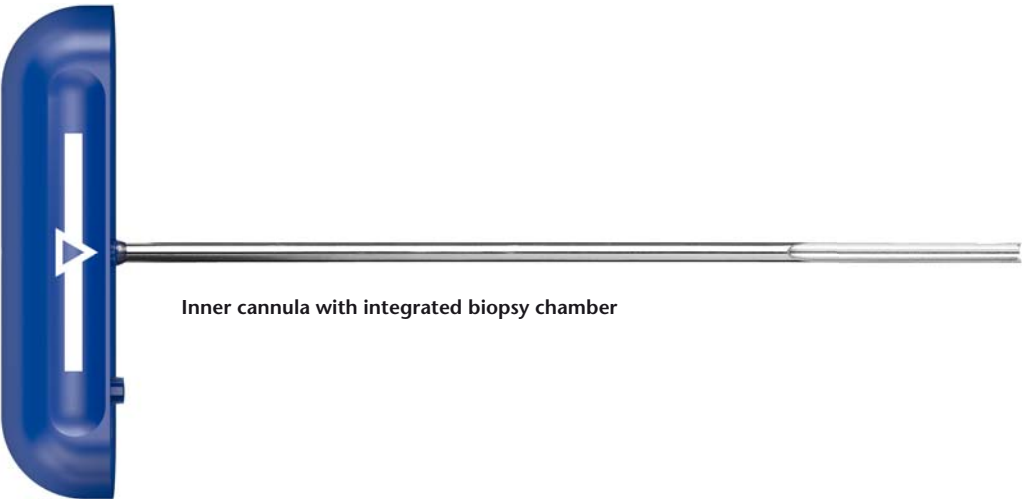


Use of ejection stylet – fabric cylinder remains intact thanks to conical outer cannula

+ Multiple biopsy

The TrokaBone puncture kit with additional inner cannula is recommended for multiple biopsies taken at the same puncture set.

- ➔ Simplifies the taking and subsequent removal of the sample
- ➔ Tissue cylinder remains in its structure during its removal



Incorporated biopsy chamber

Multiple biopsy

Use of the inner cannula with biopsy chamber for safe biopsy



Inner cannula takes sample, placement of outer cannula remains



Securing the biopsate

TrokaCut

The cost-effective alternative

The TrokaCut puncture set from PAJUNK® is a cost-effective complete system for taking bone marrow samples. The functionality is identical to that of the TrokaBone puncture set.

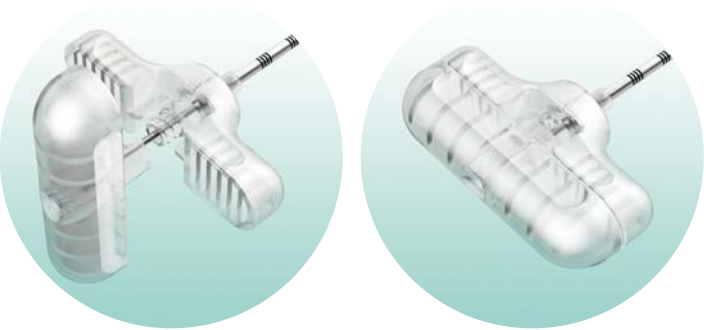
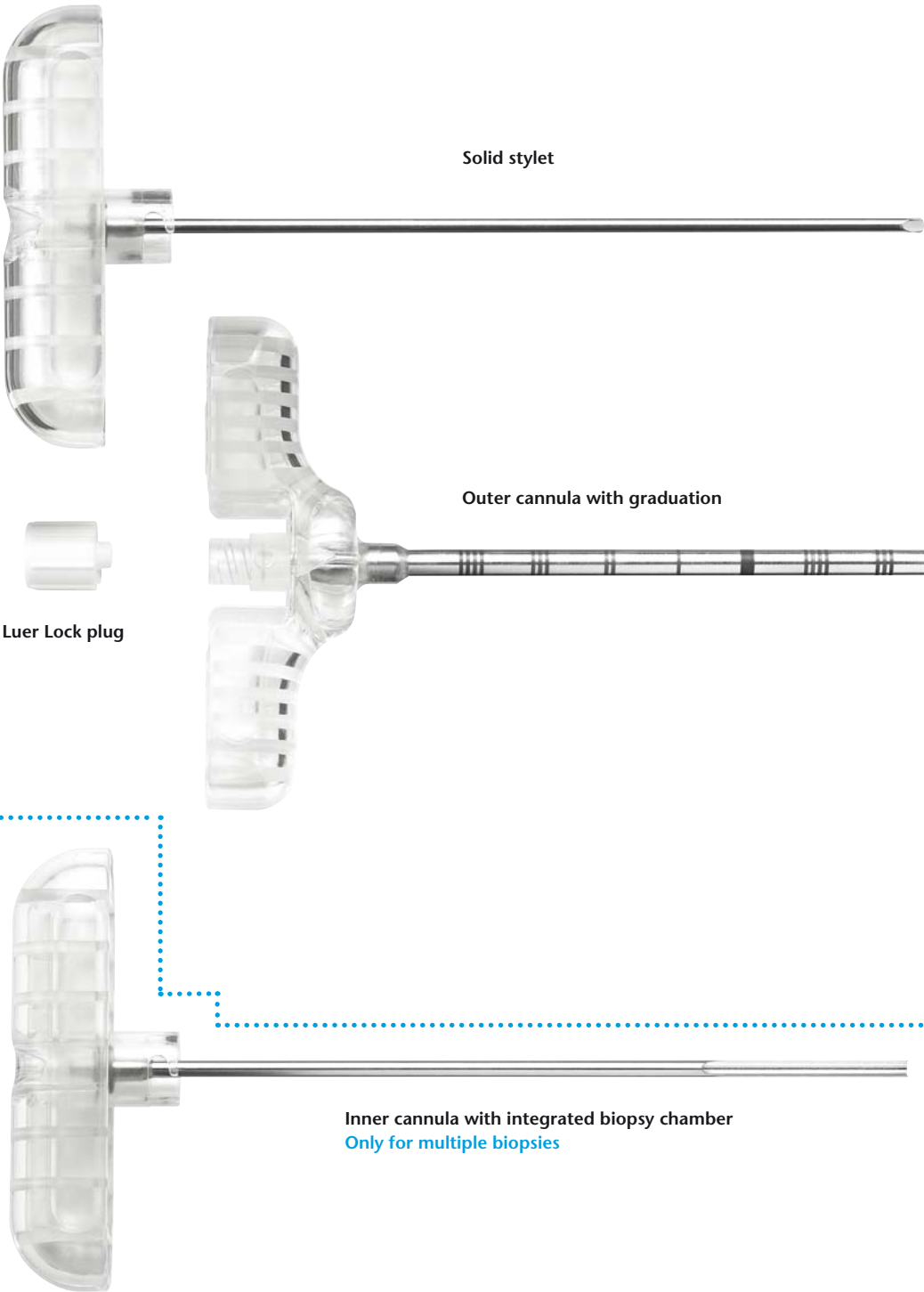
The TrokaCut puncture kit is available in two versions:

For single biopsy

The TrocaCut system contains a stable solid stylet. It is only available with a bevelled edge. This system has no additional handle.

+ For multiple biopsy

If multiple biopsies are taken at the same puncture site, the TrocaCut puncture set with additional inner cannula is used.



Bayonet lock: Solid stylet and inner cannula are firmly connected to the outer cannula via a bayonet lock.

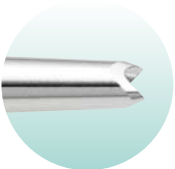


Tip only with bevelled hollow grinding

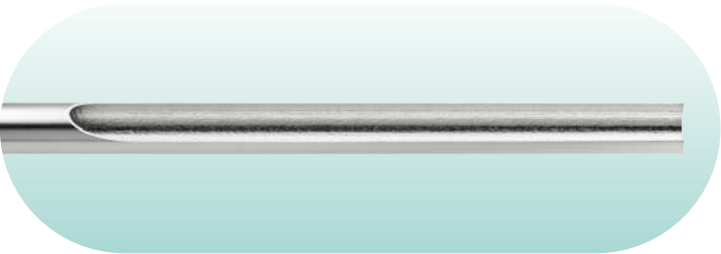
Insertion aid
Hides the serrated grinding during biopsy removal and minimises the risk of injury



Ejection stylet with graduation
Checking the length of the tissue cylinder



Tapered cannula tip, serrated grinding
Simplifies cannula advancement and biopsy collection



Incorporated biopsy chamber

TrokaBone / TrokaCut

All information at a glance

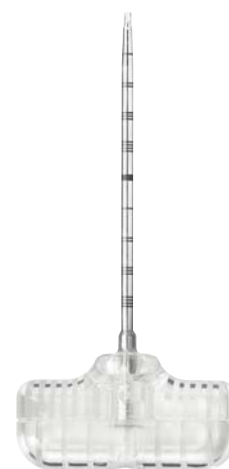
TrokaBone

			Bevelled hollow grinding	Trocar grinding	
Product	Size		Item no.	Item no.	PU
TrokaBone					
with bevelled hollow grinding or trocar grinding	11 G x 100mm	(3,0mm)	1145-1E010	1145-2E010	5
	11 G x 150mm	(3,0mm)	1145-1E015	1145-2E015	5
	8 G x 100mm	(4,0mm)		1145-2I010	5
	8 G x 150mm	(4,0mm)		1145-2I015	5
TrokaBone					
with inner cannula	11 G x 100mm	(3,0mm)	1145-6E010		5



TrokaCut

Product	Size		Item no.	PU
TrokaCut				
with bevelled hollow grinding	13 G x 100 mm	(2,4mm)	1147-1C010	5
	11 G x 100 mm	(3,0mm)	1147-1E010	5
	11 G x 150 mm	(3,0mm)	1147-1E015	5
TrokaCut				
with bevelled hollow grinding and inner cannula	11 G x 100 mm	(3,0mm)	1147-6E010	5



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