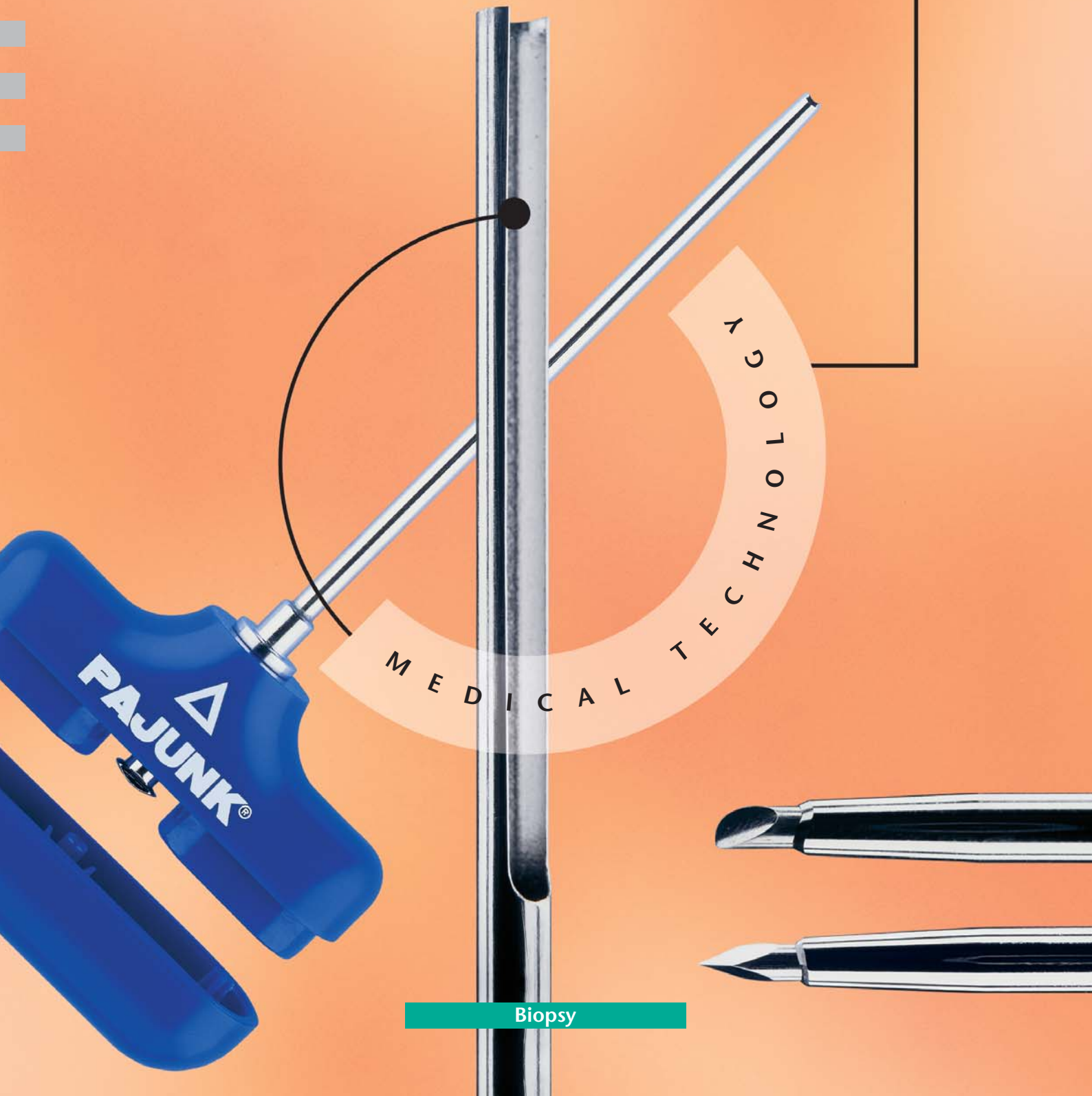


PAJUNK®

*TrokaBone
TrokaBone Sternal
Bone Marrow Aspiration/
Biopsy Puncture Cannula*



Biopsy

TrokaBone

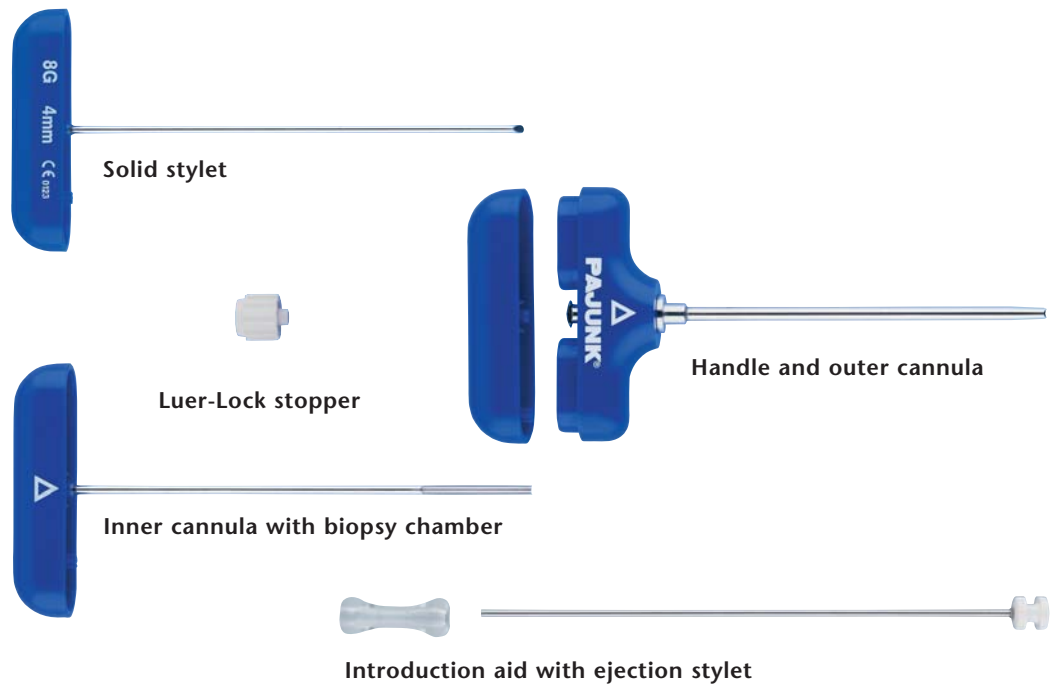
Biopsy Cannula for Single or Multiple Use

Pajunk's "TrokaBone" puncture set consists of a modular system for single and multiple extraction of bone and bone marrow samples. This set offers a high degree of operational comfort

during puncture and aspiration. Equipped with an ergonomic handle and manufactured of high-grade stainless steel, TrokaBone distinguishes itself from similar products due to its high stability.



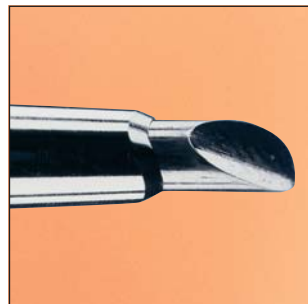
Compact, ergonomic handle with integrated Luer-Lock connector



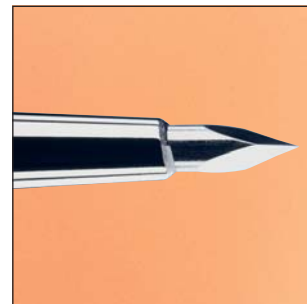
Puncturing

Puncturing of the pelvic crest can be performed with either the bevel (hollow curve) or trocar tip. The puncture cannula is advanced forward into the bone wall by an alternating

clockwise / counterclockwise movement under constant pressure. The stylet is removed as soon as the wall has been penetrated and the resistance has diminished.



Cutting tip with beveled tip (hollow curve)



Sharp tip with trocar tip

The outer cannula has a very sharp “wave” shaped tip. With this tip, and a twisting motion, the cannula easily penetrates the inner structure of the bone. The tip of the cannula is designed cylindrically, tapering out towards the forward end. This makes the gathering of the sample and its extraction easier. At the same time, the conical shape ensures that the sample remains unchanged in its structure during tissue retrieval.



Tapered cannula tip; “wave” shaped tip

The essentials at a glance:

- anatomically designed handle
- extremely sharp “wave” shaped tip of the outer cannula
- puncture cannula made of high-grade stainless steel with great stability
- cannula options with beveled tip, trocar tip and inner cannula
- cylindrical outer cannula for simple sample extraction
- safe sample extraction due to a specially shaped cannula shaft
- aspiration connection with Luer-Lock connector

Single Biopsy Extraction

The ejection stylet is introduced and advanced into the distal opening of the outer cannula using an introductory aid. The sample can then be extracted.

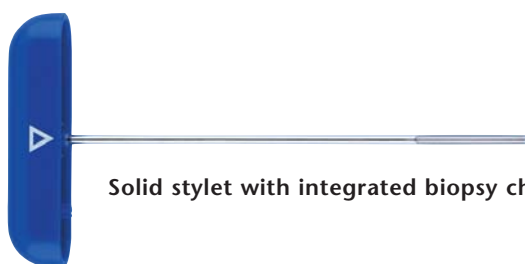


Introductory aid with ejection stylet

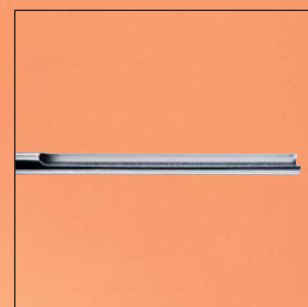
Multiple Biopsy Extraction

The use of an inner cannula with biopsy chamber is recommended if more than one biopsy samples are required. This inner cannula takes

up the sample during advancement, and it can be retracted for extraction without altering the placement of the outer cannula.



Solid stylet with integrated biopsy chamber



Integrated biopsy chamber

Bone biopsy puncture cannula with obturator / adapter

Size	Set for single biopsy extraction		Set for multiple biopsy extraction		
	Beveled tip	Trocar tip	Beveled tip	Gauge	PPU
2,4 x 100 mm	1145-1C010	1145-2C010		13	5
3,0 x 100 mm	1145-1E010	1145-2E010	1145-6E010	11	5
3,0 x 150 mm	1145-1E015	1145-2E015		11	5
4,0 x 100 mm	1145-1I010	1145-2I010	1145-6I010	8	5
4,0 x 150 mm	1145-1I015	1145-2I015		8	5

TrokaBone Sternal

Puncture Set for Single Biopsy Extraction

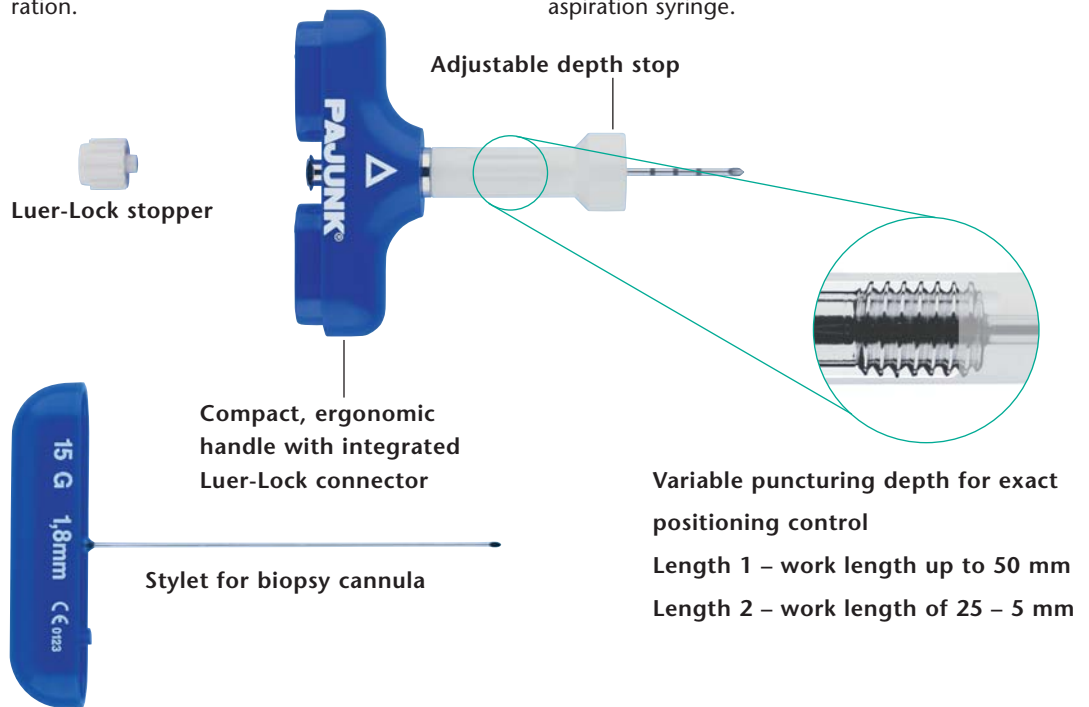
The essentials at a glance:

- anatomically shaped handle
- extremely sharp cutting edge of the cannula tip
- puncture cannula made of high-grade stainless steel with great stability
- safe sample extraction due to a specially shaped cannula shaft
- aspiration connection with Luer-Lock connector

The biopsy puncture cannula was developed by Pajunk for simple and safe aspiration of bone marrow from the pelvic or the sternum area. The ergonomically shaped handle and the extremely sharp cutting edge of the cannula tip guarantee the clinician a high degree of operational comfort during puncture and aspiration.

The user-friendly handle permits the operator to specifically exert pressure during performance of the puncture.

The biopsy cannula is equipped with an adjustable depth stop for the safety of the patient and the clinician. The Luer-Lock connection in the handle ensures the safe connection to the aspiration syringe.



TrokaBone Sternal Puncture Set with ergonomic plastic handle, extremely sharp cannula tip and adjustable depth stop, sterile

Gauge	Ø	Length 1	Length 2	Article no.	PPU
18	1,2 mm	50 mm	25 mm	1146-1D025	5
17	1,5 mm	50 mm	25 mm	1146-1G025	5
15	1,8 mm	50 mm	25 mm	1146-1K025	5
14	2,0 mm	50 mm	25 mm	1146-1M025	5



Cannula point with sharp cutting tip



Flush fitting stylet

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