

NOW
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★IMPROVED★

MPA AND
STRAIGHT
CATHETERS¹

TLAB[®] Transjugular Liver Biopsy System

Flexibility for Every Angle




ARGON
MEDICAL DEVICES

What's your angle?

Our TLAB Transjugular Liver Biopsy Instrument is designed to perform consistently in typical and tortuous anatomy, collect quality liver samples and enhance patient and physician safety.



Flexibility for Tight Turns



The patented Flexcore® technology helps the needle conform to the curvature of the sheath while TLAB easily navigates and collects samples at typical or acute angles.

Tracking for Quality Samples



The Tru-Track™ trocar tip and a fully exposed sample notch combine for a straight needle trajectory and maximum sample yield that's unmatched by the competition².

Safety with Every Step



The TLAB features a safety funnel for quick and easy loading and reloading of the needle into the sheath reducing the risk of an inadvertent needle stick.



The TLAB kit includes unique swabs to efficiently remove a sample from the notch while keeping a user's hands away from the needle.

Outmaneuvering the Alternatives²

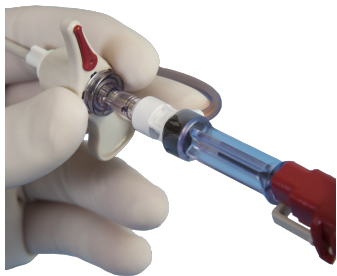
In an independent clinical study of 233 patients comparing the TLAB Transjugular Liver Biopsy System and the Quick-Core® Biopsy Needle, TLAB achieved:

- 37% more adequate samples for staging and grading disease progression than the competition
- 40% fewer fragmented samples
- More complete portal tracts per sample

The purpose of the study was to determine if the needle system employed for the transjugular liver biopsy procedure had any impact on the quality of the specimens submitted for pathologic analysis. The results strongly suggest that the Flexcore® needle [TLAB] is superior.

Providing Navigation Aids

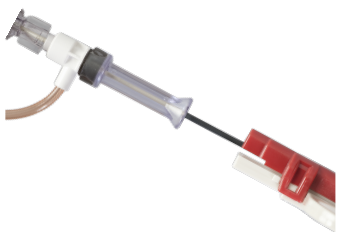
The TLAB design includes features to help position the introducer sheath in the hepatic vein and facilitate ideal alignment between the needle and the sheath.



When the red component of the needle's handle is aligned with the red marking on the introducer sheath, the needle is positioned with sample notch face-up to maximize yield. (red-to-red alignment)



When the hub of the needle's handle is flush with the hub of the safety funnel, the needle has fully exited the sheath and is ready to collect a sample.



The black marker band on the needle indicates when the needle is at the end of the sheath to prevent a needle stick prior to optimal positioning.



A radiopaque band on the tip of the introducer sheath helps visualize the orientation of the sheath in the anatomy, enabling position modifications before advancing the needle into tissue.

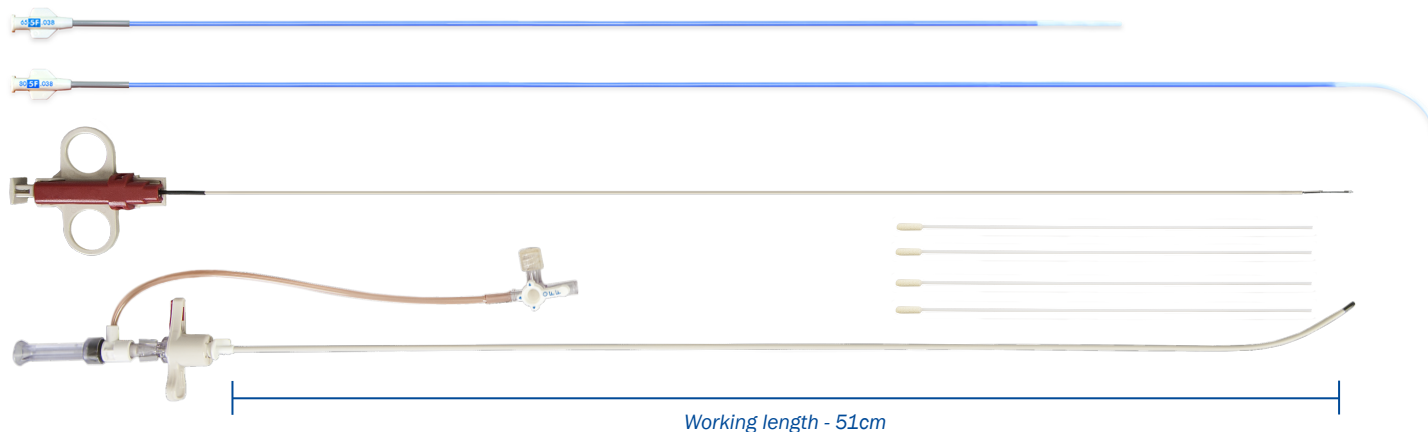
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TLAB Transjugular Liver Biopsy Kit

- 1 — 18G or 19G biopsy needle (20mm throw with 17mm sample notch)
- 1 — 7F introducer sheath with a curved metal stiffener
- 1 — 5F straight catheter (in 18S, 18C, 19S and 19 kits only)
- 1 — 5F curved catheter (in 18C and 19 kit only)
- 4 — tissue removal swabs



Available TLAB Kit Configurations

QUANTITY	MODEL NUMBER	NEEDLE SIZE	SHEATH W/METAL STIFFENER	STRAIGHT CATHETER	CURVED CATHETER	SWABS
	TL-18N	18G	7F, 60cm	Not Included	Not Included	4
	TL-18S	18G	7F, 60cm	5F, 65cm	Not Included	4
	TL-18C	18G	7F, 60cm	5F, 65cm	5 F, 80cm	4
	TL-19N	19G	7F, 60cm	Not Included	Not Included	4
	TL-19	19G	7F, 60cm	5F, 65cm	5 F, 80cm	4
	TL-19S	19G	7F, 60cm	5F, 65cm	Not Included	4

PHYSICIAN'S SIGNATURE _____

¹Data on file

²Behrens G, Ferral H, Guisto D, Patel J, Van Thiel DH. Transjugular Liver Biopsy: Comparison of Sample Adequacy with the Use of Two Automated Needle Systems. J Vasc Interv Radiol 2011; 22:341-345.