

Temno Evolution[®] biopsy needle

An evolution in design
A revolution in performance

For the following biopsy procedures:

- Kidney
- Liver
- Lung
- Thyroid
- Breast



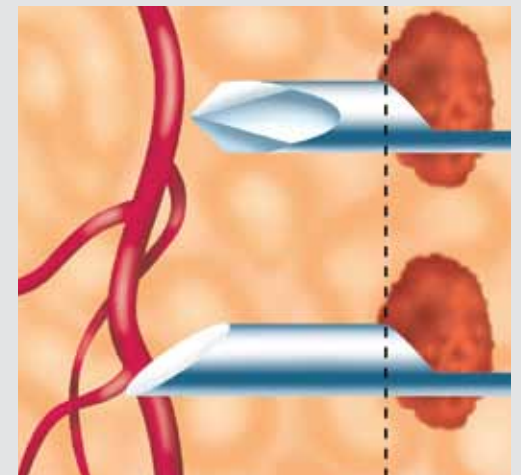
Temno Evolution® soft-tissue biopsy devices offers many of the same features that made our original Temno® biopsy needle a market leader, while establishing a new standard for procedural flexibility and performance:

- The four-bevel tip is significantly sharper (up to 54% sharper than needles with a standard bevel) for quick, easy penetration.
- Needle tip tracks straighter—up to 85% straighter compared to standard bevel designs, eliminating unwanted distal “drift” or “deflection.”
- The compact, ergonomically-contoured body, tactile-enhanced plunger and soft, pliable finger grips provide increased comfort and allow for one-handed operation. Plus, its compact, lightweight design can help reduce tissue shear.

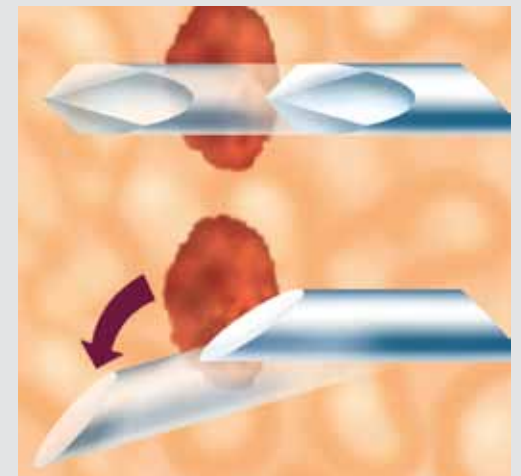
The four-sided needle bevel results in a super-sharp tip for quick, easy insertion with less trauma to organs and surrounding tissue.



Standard bevel needles can “drift” or “deflect” from their target. The revolutionary shape of the Temno Evolution® needle tip keeps it on track, reducing deflection as much as 85%.



A significantly shorter needle tip (up to 29% shorter than standard bevel needles) minimizes the risk of perforating surrounding organs and vessels.



Temno Evolution®: the next generation

The engineering of the firing mechanism and needle components offers a new level of precision:

- Sharp cutting edge of cannula assures an intact 2cm core tissue sample
- Two notch sizes—10 or 20mm—provide controlled, precise sampling for a variety of procedural situations
- Echogenic markings on cannula allow for precise ultrasound placement
- Centimeter depth markings assist in needle placement
- Available with coaxial introducer that can be used to obtain multiple samples with minimal repositioning
- Luer fitting on device enables quick connection to coaxial introducer needles



Cap color and needle gauge	Biopsy needle cat. no.	Biopsy needle size	Biopsy needle with introducer cat. no.	Introducer needle size
14G	TT146	14G x 6cm		
	TT1411	14G x 11cm	CTT1411	13.5G x 6cm
	TT1415	14G x 15cm	CTT1415	13.5G x 10cm
	TT1420	14G x 20cm	CTT1420	13.5G x 15cm
16G	TT166	16G x 6cm		
	TT1611	16G x 11cm	CTT1611	15G x 6cm
	TT1615	16G x 15cm	CTT1615	15G x 10cm
	TT1620	16G x 20cm	CTT1620	15G x 15cm
18G	TT186	18G x 6cm		
	TT1811	18G x 11cm	CTT1811	17G x 6cm
	TT1815	18G x 15cm	CTT1815	17G x 10cm
	TT1820	18G x 20cm	CTT1820	17G x 15cm
20G	TT206	20G x 6cm		
	TT2011	20G x 11cm	CTT2011	19G x 6cm
	TT2015	20G x 15cm	CTT2015	19G x 10cm
	TT2020	20G x 20cm	CTT2020	19G x 15cm

For single patient use only. Five devices per case. U.S. patent pending.

To place an order or for more information, please call 800.653.6827, contact your CareFusion Sales Representative, or visit carefusion.com/interventional.

Protected under one or more of the following U.S. patents: 5,951,489; 5,916,175

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