Baird Medical

Baird microwave ablation (MWA) needles

Designed for ultrasound-guided placement, controlled energy delivery, and data-informed ablation-zone planning.

1) Sharp trocar tip
Designed for precise tissue entry without a surgical incision

2) Graduated shaft markings
Provide clear visual depth reference during needle placement

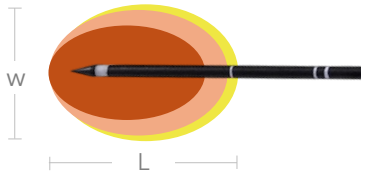
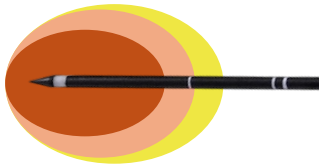
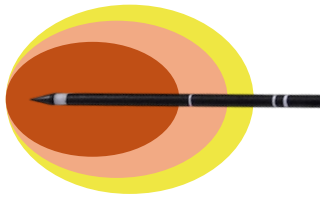
3) Ultrasound-optimized shaft
Supports confident ultrasound-guided placement

4) Cooling & temperature monitoring
Support controlled energy delivery throughout ablation

Designed for an efficient and streamlined workflow.

Visualize clearly. Position confidently. Ablate with control.

Representative ex vivo ablation data *T-1408 needle · porcine liver*

Power	Ablation time	Dimensions (L x W)	Est. volume	Ablation zones
35 W	3 min	2.37 x 1.43 cm	2.67 cm^3	
	6 min	2.70 x 1.90 cm	4.03 cm^3	
	9 min	2.80 x 2.07 cm	4.54 cm^3	
50 W	3 min	2.80 x 1.87 cm	4.10 cm^3	
	6 min	3.33 x 2.60 cm	6.79 cm^3	
	9 min	3.83 x 2.80 cm	8.43 cm^3	
60 W	3 min	2.87 x 1.90 cm	4.28 cm^3	
	6 min	3.67 x 2.60 cm	7.49 cm^3	
	9 min	4.10 x 3.13 cm	10.10 cm^3	

Limited extension beyond the needle tip. Ablation develops predominantly back toward the shaft.

Note: Ex vivo results may differ from performance in perfused human tissue.

Product specifications

Model	Shaft diameter	Needle length	Active tip	Max power
T-1408	1.4 mm	80 mm	3.5 mm	60 W
T-1410		100 mm		
T-1608	1.6 mm	80 mm		
T-1610		100 mm		

Manufactured by Betters (Suzhou) Medical Co., Ltd. U.S. sales and support by Baird Medical LLC.

Indications & safety

For healthcare professionals. Rx only. The Disposable Microwave Ablation Needle is indicated for coagulation (ablation) of soft tissue and is not intended for cardiac use. Contraindicated in patients with massive bleeding tendency; not recommended for pregnant women; use caution in patients with severe coagulation dysfunction. Potential complications of thyroid ablation reported in published literature include pain, bleeding or hematoma, swelling, thyroid-function changes, voice changes, and injury to nearby structures.[1] EO sterilized. Sterile and single use only. See the current IFU for complete indications, contraindications, warnings, precautions, and operating instructions. 510(k): K232241.

Reference: 1. Sinclair CF, et al. Thyroid. 2023;33(10):1150–1170.

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