Utune Medical

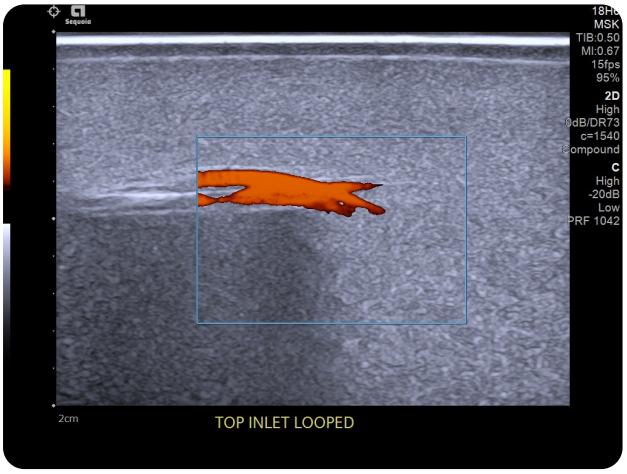
PRODUCT DATA SHEET
RSNA 2026

MicroFlow

Microvascular Flow Phantom

Customizable flow phantoms for ultrasound and Doppler evaluation





Color Doppler of flow in the tube. Scanner settings and flow conditions affect the image.

Key features

- Straight and tortuous tubing
- Tube diameters from 300 µm
- Smaller diameters on request
- Tube impedance matched to the background

Fully customizable

- Speed of sound, attenuation and echogenicity
- Flow geometry and tube layout
- Tube size and configuration
- Background and target inclusions

Designed for Doppler, microvascular and flow-imaging applications.

Example images from the MicroFlow phantom. Phantom images; no clinical performance claim.

Visit us at RSNA 2026 | South Hall, Booth 3751A, Innovation Park | Nov. 29 to Dec. 2

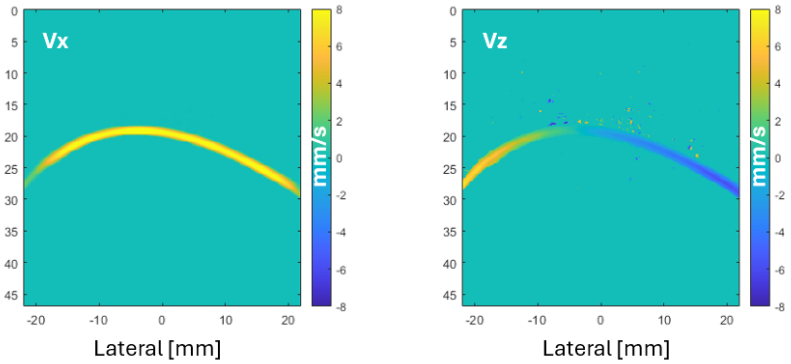
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Flow velocity mapping

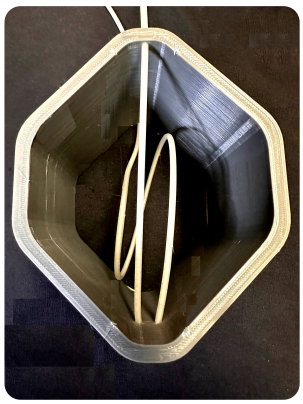
Example velocity maps across a curved flow path: the lateral (Vx) and axial (Vz) components, in mm/s.

These are example measurement images; each scale belongs to its original figure.

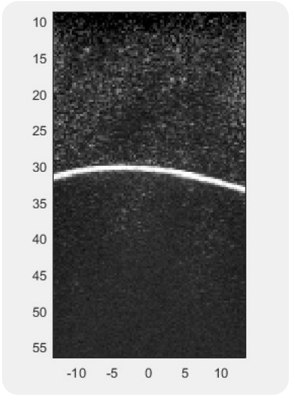


Internal tube architecture

- Straight or tortuous tube paths
- Adjustable tube size and configuration
- Custom number and arrangement of channels
- Application-specific internal structures



Tortuous tubing



Grayscale, curved tube

Configuration options

Parameter	Options
Flow path	Straight, curved or tortuous
Tube diameter	From 300 µm; inquire about smaller options
Tube acoustics	Acoustic impedance matched to the surrounding background
Background acoustics	Speed of sound, attenuation and echogenicity to specification
Channels	Tube material, channel number and arrangement tailored to the application
Inclusions	Background material and target inclusions to specification

Contact Utune Medical at info@UtuneMedical.com to discuss application-specific specifications and configurations.