

lifecanvas
technologies

Revolutionizing bioimaging
to elevate human health.

Introducing Megatome

Precision high-frequency slicing
for all sample sizes and types

- **From organoids, to expanded rodent brains, to intact human organs:** Quickly section samples as small as organoids and biopsy samples, as large as human brain hemispheres and intact nonhuman primate brains, and everything in between.
- **High-throughput sectioning:** Slice arrays of samples like whole rodent brains, biopsy samples, and organoids.
- **Unmatched quality and efficiency:** Innovative blade vibration amplification and deflection control technologies allow uniform, high-quality, and high-speed tissue sectioning.
- **User-friendly and intuitive:** Easily process samples with accessories to mount different sample sizes and types, and close-up cameras to monitor sectioning.



Visit our website
or email us to
learn more and
stay updated.



Organoids



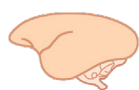
Biopsy samples



Tumors



Rodent organs



Marmoset organs



Expanded tissues



Arrays of rodent organs, organoids, or tumors



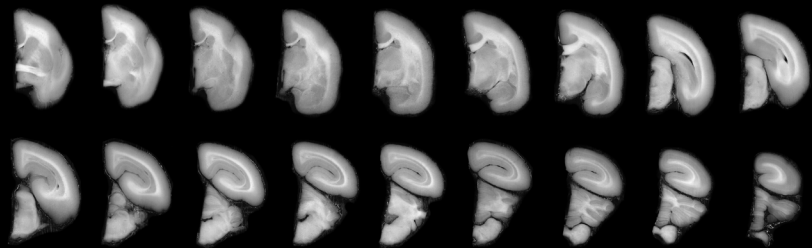
Macaque organs



Human brain hemispheres and other organs

Maximum sample size (height x length x width)	Blade Vibration		Operating Speed	Blade	Mode
	Frequency	Amplitude			
Standard: 75 x 100 x 80 mm Premium: 200 x 150 x 100 mm	120 Hz	0 - 2 mm	Sectioning: 0 - 5 mm/s Return: 5 mm/s	General razor or microtome blades	Automatic or manual sectioning

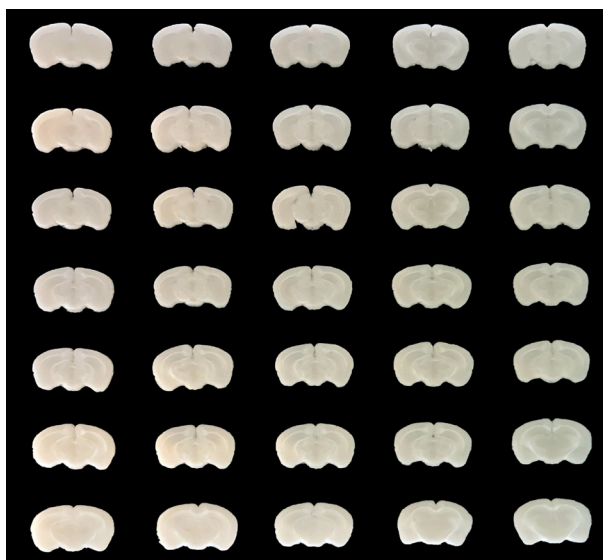
MEGATOME@LIFECANVASTECH.COM



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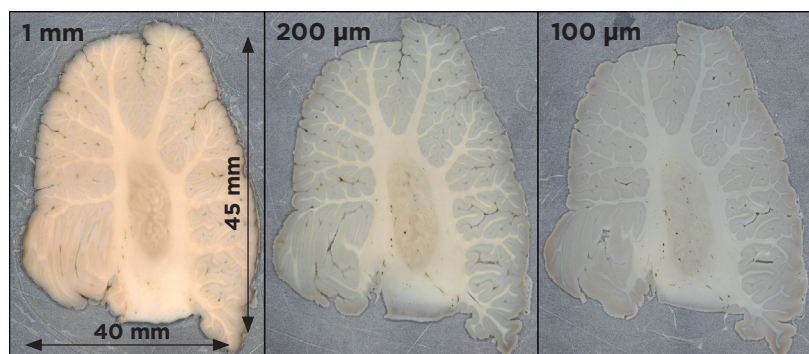
One powerful system for wherever your research may take you:



SAMPLE ARRAYS

Increase your throughput with uniform sectioning of arrays of different sample types, such as mouse and marmoset brains, organoids, tumors, and beyond.

Left: 5x7 array of mouse brains, 1 mm slices



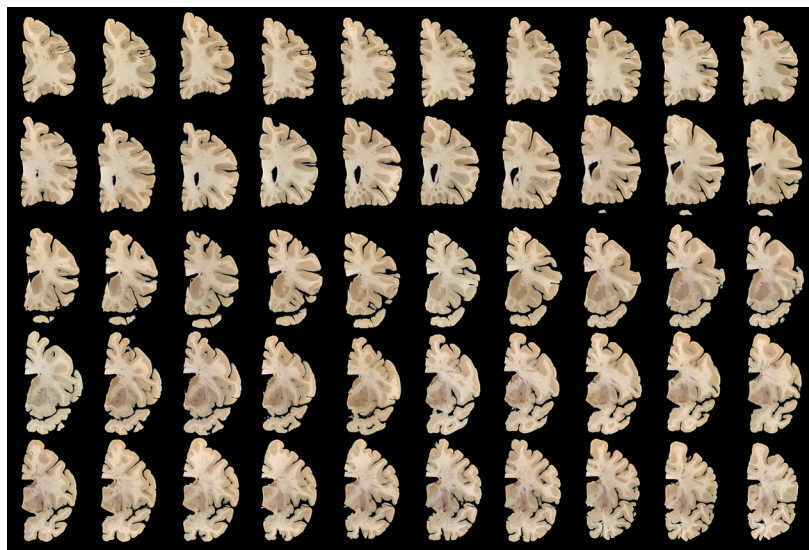
LARGE SAMPLES

Precisely slice whole human brain hemispheres and nonhuman primate brains with minimal tissue loss or distortion. Megatome is the only tool that can process these samples.

Top right: Human cerebellum slices

Right: Human brain, 1 mm slices

Header: Marmoset brain, 1 mm slices



**EXPANDED TISSUES,
CLEARED ORGANS,
ORGANOIDS,
BIOPSIES,
TUMORS,
& MORE.**

Leverage the latest tissue processing innovations
in your lab. Speak to a LifeCanvas scientist today.

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