

What are the main differences between Compresstome® tissue slicer models?

Both the VF-210-0Z and the VF-310-0Z allow for smooth and consistent sectioning of fresh and fixed tissue. The automation of the micrometer is the main difference between the two Compresstome models. When sectioning with the VF-210-0Z, users must manually turn the micrometer to advance the tissue thickness to the desired amount. In contrast, the electronic controls of the VF-310-0Z allow the micrometer to automatically advance and cut continuous slices of the desired thickness.



Features	VF-210-0Z	VF-310-0Z
Automation	Semi-automated: After a slice is cut, the user must manually advance the slice thickness with the micrometer.	Fully automated: After a slice is cut, slice thickness advancement is automatic, and continuous slices can be made.
Slice thickness adjustment	Manual	Automatic
Slice thickness precision	10 µm	1 µm
Cutting mode(s)	Single	Single & continuous
Minimum slice thickness	20 µm (Quality tested to cut below 20µm slices)	
Thickness range	20 µm - 1000 µm	
Maximum tissue length	25 mm	
Compatible cutting blades	<ul style="list-style-type: none"> • Stainless steel (double-edge) blades • Ceramic blades • Tungsten carbide blades • Sapphire diamond blades 	
Specimen tube sizes	<ul style="list-style-type: none"> • 12.5 mm diameter • 15.5 mm diameter • 20 mm diameter 	

What are available Compresstome® tube sizes & specimen tube kits?



We offer 3 sizes of specimen tubes:

1. 12.5mm (i.e., mouse brains, lymph nodes, etc)
2. 15.5mm (i.e., rat/mouse brains, etc)
3. 20mm (i.e., lung, heart, liver, etc)

To prevent live/fixed tissue contamination, you only need a separate specimen tube kit (buffer tray, specimen tube(s) and blade holder, and chilling block).

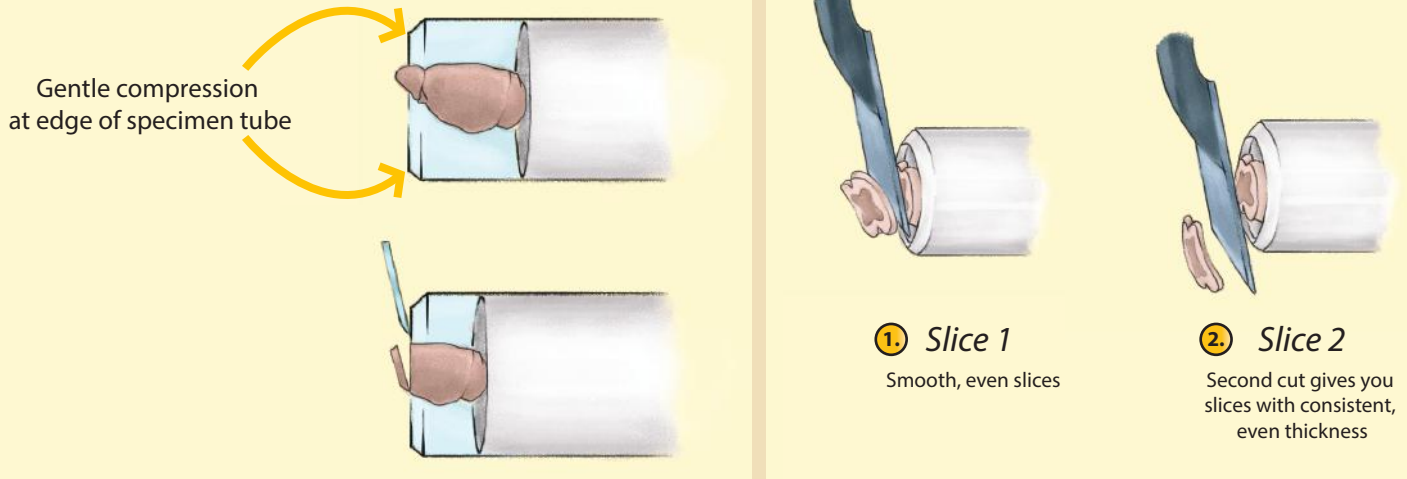
All other components of the Compresstome can remain the same without contamination in switching between fixed and live tissues.



Specimen tube kit includes:
2 tubes, chilling block, buffer tray

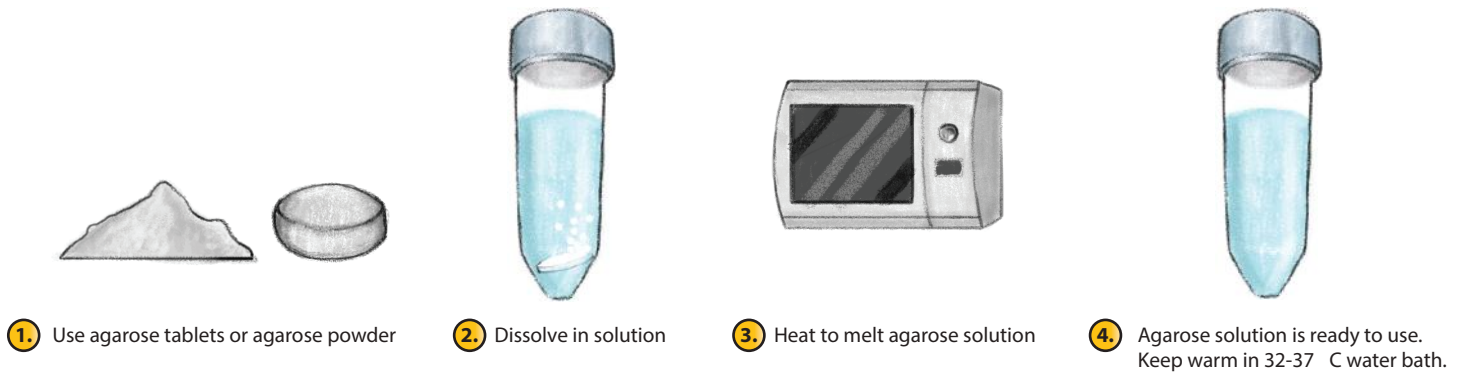
What is Compressstome® agarose embedding and what is its advantage?

Embedding tissue in agarose is simple and proven to keep the tissue from harm. The agarose helps stabilize the tissue during cutting with the Compressstome®. This yields slices with smooth surfaces, and does not harm or disrupt the tissue. Agarose embedding allows you to cut consistent, even tissue slices without chatter marks.



What is the agarose embedding process?

1. Make agarose solution (typically 2%; takes 2-3 minutes)



2. Embed tissue into specimen tube with agarose solution (takes 1-2 minutes)

