

Compresstome® Cutting Parameters

Tissue or Specimen	Advance (Speed)	Oscillation	Suggested Agarose %
Lung: • Precision-cut lung slices	3-4	4-6	2%
Any fixed tissues	1.5-2	5-7	2%
Brain: live • Electrophysiology • imaging	3-4	5-7	1.8-2%
Organotypic slices: Tumor research Brain culture slices	3-4	5-7	2%
Retina (fixed and acute slices) * Infuse with agarose or gelatin to replace vitreous humor	1.5-2	5-7	2.5%
Kidney (acute slices)	3-4	5-6	2.5%
Liver (acute slices)	3-4	5-6	2.5%
Cardiac (fixed and acute slices) * Infuse with agarose or gelatin to fill up atria/ventricles	1.5-2	5-6	2.5%
Gut (fixed and acute slices)	4-5	4-5	2.5%
Plants: Leaves	3-4	4-5	2%
Plants: Stems	3-4	4-5	2%
Plants: Seeds	6-8	2-3	2.5%
Skin (Epidermis)	2-3	5-6	2.5%
Muscle (fixed and acute slices)	2-3	4-6	2.5%
Adipose (fixed and acute slices)	4-5	5-6	1.8%
Lymph node (fixed and acute slices) * Use 3% agarose for more fibrous tissues	1.5-2	5-6	2.5%
Spleen (fixed and acute slices)	3-4	6-7	2%