

PRECISIONARY

The Best Slicer for High Quality Precision-Cut Tissue Slices

COMPRESSTOME® FOR PRECISION-CUT TISSUE SLICES

Problems with the Krumdieck slicer

- Not able to get consistent slice thicknesses for each cut
- Shearing during the cutting process
- Shearing damages surface layer cells

Principles of the Compresstome®

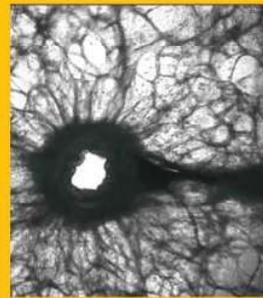
- Gentle compression during cutting eliminates tissue deflections
- Consistent slices thicknesses
- Healthier cells for studies of metabolism, toxicology, pharmacology

Compresstome® is ideal for all precision-cut organ systems:

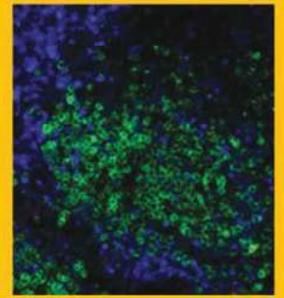
- Lung
- Liver
- Intestines
- Spleen
- Kidney
- Lymph nodes
- Thymus
- Skeletal muscle
- Adipose tissue
- Heart

Advantages of the Compresstome® Slicers for Precision-Cut Slices

- **Doubles tissue slice viability**
The Compresstome® more than doubles the healthy-to-dead cell ratio of precision-cut tissue slices, by preserving the upper surface layers of cells. This feature is especially beneficial for studies of metabolism, toxicology, and pharmacology, where tissue health is important.
- **Fast cutting speed, lower price**
The Compresstome® is able to section up to 5X faster than other leading vibrating microtomes, reducing the time the blade is rubbing against the slice, resulting in healthier slices and saving you time. Our prices are much lower than competitors, and we have superb customer service.
- **Preserves subcellular microstructure**
The Compresstome® stabilizes entire tissue samples through patented compression technology for sectioning, which prevents damage to the tissue microstructure. This allows preservation of subcellular components during experiments for more accurate data on metabolism.
- **Complete control of slice thickness & consistency**
You can set the slice thickness and the Compresstome® will make consistent, even slices with each cut. This allows you to have uniform slices for all experiments.



Precision-cut lung slice showing elastic bronchiole airway



Precision-cut spleen slice stained for B cells (green) and T cells (blue)

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