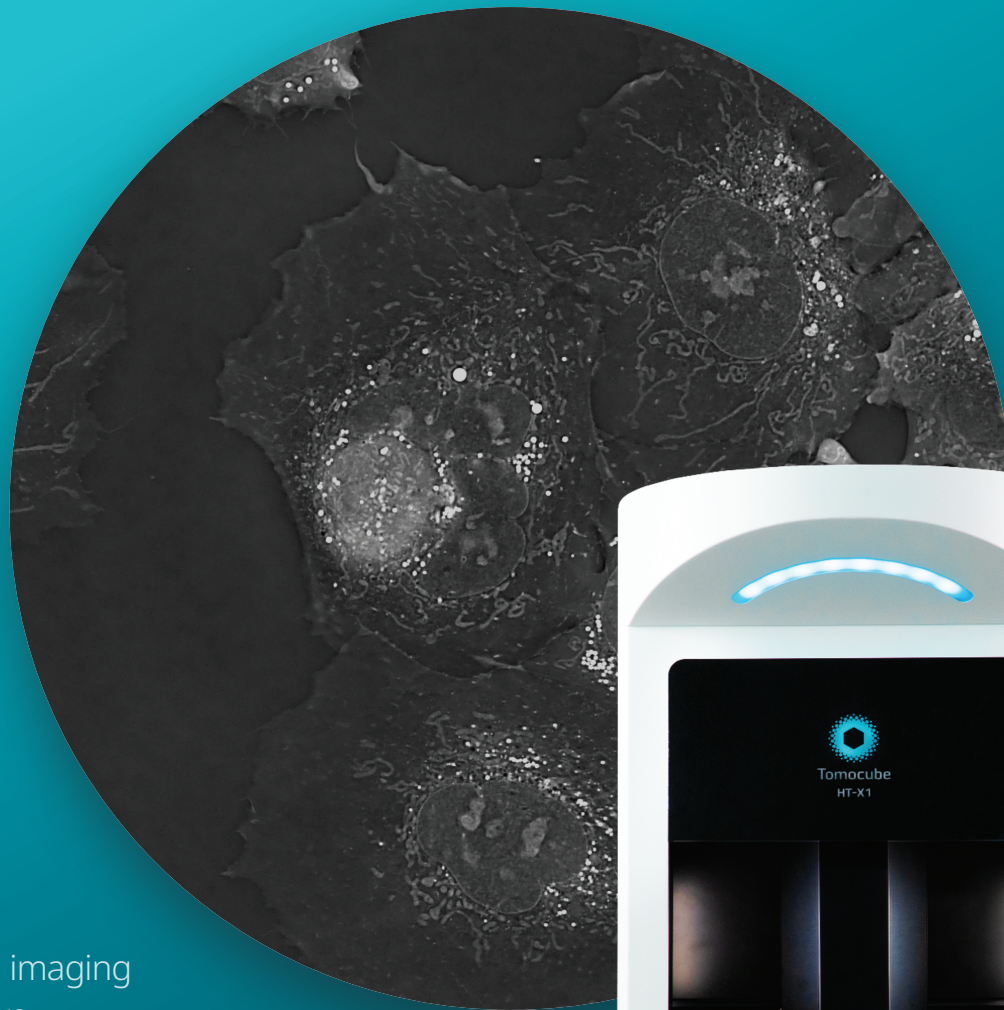


Tomocube

Holotomography system



- Label free
- 3D live cell imaging
- Quantitative
- Multi well
- Auto focus
- Time lapse
- High resolution
- 3D fluorescence
- Environmental control



Model: HT-X1



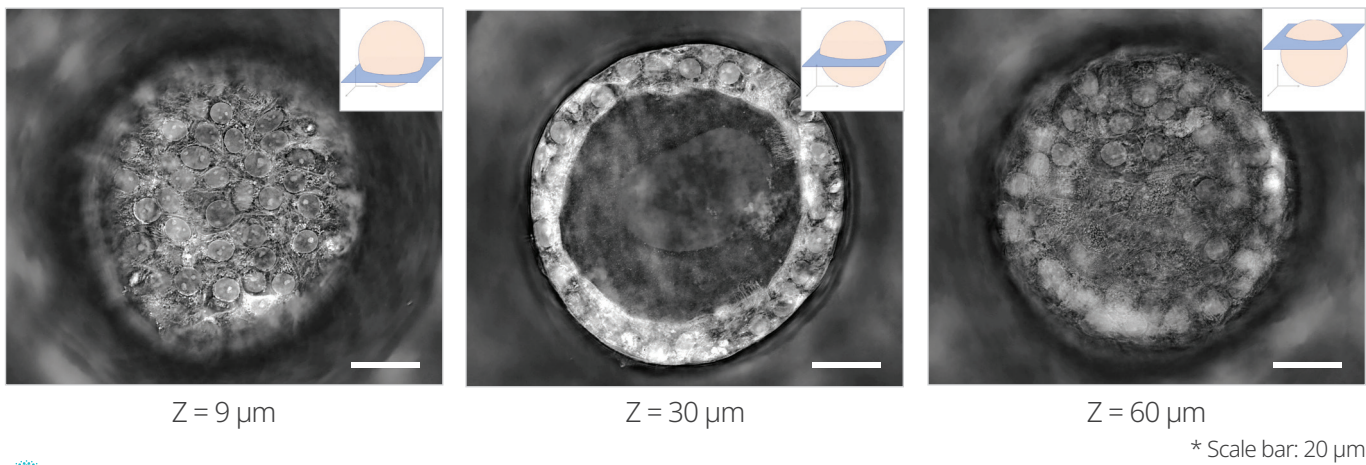
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Tomocube HT-X1 Holotomography

Holotomography (HT) visualizes cells and tissues based on their intrinsic Refractive index (RI). In capturing the RI distribution, HT system also provides quantitative data in 3D such as the volume, surface area, and dry mass of cells and their intracellular structures.

Designed with purpose in mind, the HT-X1 system combines HT with multi-channel fluorescence (FL) for correlative 3D imaging, providing researchers the high-resolution 3D information without sacrificing the molecule-specific FL details. By allowing work with confluent cell sheets, significantly reducing laser-induced speckle noise, delivering enhanced levels of fluorescence illumination, and enabling the study of thicker specimens, HT-X1 is one of the most powerful research tools for live-cell label-free imaging.

Sectional view of single cystic organoid visualized with HT-X1



Subcellular features within live organoids

