About Bruker ASC GmbH

Bruker ASC is a leading developer and manufacturer of high performance X-ray and synchrotron research instrumentation and specialized superconducting magnet systems. The Beamlines and X-ray Optics division of Bruker ASC offers state-of-the-art X-ray microscopes and other metrology systems both for synchrotron and laboratory X-ray sources, as well as synchrotron instrumentation including insertion devices, complete beamlines and end stations.  

www.bruker.com/xrm

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**How You Benefit**

- Image whole unstained frozen hydrated cells
- 3D data sets with tomography
- Excellent contrast without staining
- No sample preparation artifacts
- X-ray microscopy in your home lab

**Technical Configuration**

- Resolution 20...50 nm
- Sample thickness up to 10 µm
- TEM compatible sample holders
- Bright standalone sources
- Efficient optics

**Applications**

**Structural Biology**
Image intact eukaryotic cells close to physiological condition. Obtain statistics from many cells due to straightforward sample preparation.

**Correlative Microscopy**
Locate specific proteins with an in-situ fluorescence microscope and acquire high resolution X-ray tomograms of the active cell regions.

**Colloids and Self Structuring**
Image colloids and their interaction with bacteria. The aggregation of radiation tolerant systems can be followed on-line.

**Semiconductor Research**
Watch electromigration processes in passivated semiconductor structures in real time.