

Cryo-STXM

Beamline: SM

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A custom made soft x-ray STXM endstation with temperature control 92 - 373 K (-181 - +100 °C), optimized for cryo-tomography. SM also has cold sample transfer facilities to prepare and transfer plunge frozen biological specimens.

More details can be found in Leontowich et al., Rev. Sci. Instrum. 89, 093704 (2018).

Cryogenic sample preparation, handling, and measurement by Cryo-STXM allow in vivo hydrate samples to be analyzed.

