

Sample Preparation and Transfer Protocol for In-Vacuum Long-Wavelength Crystallography on Beamline I23 at Diamond Light Source

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Materials

Name	Company	Catalog Number	Comments
12M detector	Dectris, Switzerland		single-photon-counting X-ray detector
CombiPuck	MiTeGen	SKU: M-CBP-P1	Cryopucks used for cryogenic storage and transport of I23 samples holders and samples
Crystal-harvesting magnetic wand	Molecular Dimensions	MD7-411	Used for harvesting crystal
Dry Shipper (CX100)	Molecular Dimensions	MD7-21	Used for cryogenic storage and transport of I23 samples holders and samples
Dry shipper insert (CombiPuck Transport Cane)	MiTeGen	SKU: M-CBP-PTC1	Used for cryogenic storage and transport of I23 samples holders and samples
Kapton polyimide			sample mount made of Kapton polyimide
Perpsex lid			acrylic lid with built-in rotation key
Thaumatococcus powder	Sigma-Aldrich	T7638	Used for production of thaumatococcus crystals by vapour diffusion