

Materials List for

Derivatization of Protein Crystals with I3C using Random Microseed Matrix Screening

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Materials

Name	Company	Catalog Number	Comments
10 mL disposable luer lock syringes	Adelab Scientific	T3SS10LAT	Used for dispensing vacuum grease for hanging drop crystal tray wells
24 well tissue culture plate	Sigma Aldrich	CLS3527	Used for hanging drop crystal tray
3 inch wide Crystal Clear Sealing Tape	Hampton Research	HR4-506	For 96 well crystallization screens set up by robot
5-amino-2,4,6-triiodoisophthalic acid	Alfa Aesar	B22178	Commonly referred to as I3C in the article
Art Robbins Intelli-Plate 96-2 Original	Hampton Research	HR3-297	For 96 well crystallization screens set up by robot
Coverslips	Thermo Fisher Scientific	18X18-2	Coverslips for hanging drop crystal tray wells
Dow Corning vacuum grease	Hampton Research	HR3-510	Used for sealing hanging drop crystal tray wells
Eppendorf Pipette 0.1 µL-2.5 µL	Eppendorf	312000011	
Gilson Pipette 2 µL-20 µL	John Morris Group	1153247	
Gilson Pipette 20 µL-200 µL	John Morris Group	1152006	
Glass pasteur pipettes	Adelab Scientific	HIR92601.01	
Hen Egg White Lysozyme	Sigma-Aldrich	L6876	Approximately 95% pure
IndexHT screen	Hampton Research	HR2-134	
Microscope illuminator	Meiji Techno	FT192/230	Light source to illuminate crystallography experiments
PEG/ION HT screen	Hampton Research	HR2-139	
Phoenix Liquid Dispenser	Art Robbins Instruments	602-0001-10	
Scalpel with scalpel blade no. 15	Adelab Scientific	LV-SMSCPO15	
Seed bead kit	Hampton Research	HR2-320	Kit contains a glass probe for crushing crystals. A PTFE seed bead, designed for crushing crystals, is also part of the kit but not used in this protocol.

Stereo microscope	Meiji Techno	EMZ-5TR	Microscope for visualising crystallography experiments
Tweezers	Sigma-Aldrich	T5415	
Vortex mixer	Adelab Scientific	RAVM1	