

Materials List for:

# Improving High Viscosity Extrusion of Microcrystals for Time-resolved Serial Femtosecond Crystallography at X-ray Lasers

Daniel James, Tobias Weinert, Petr Skopintsev, Antonia Furrer, Dardan Gashi, Tomoyuki Tanaka, Eriko Nango, Przemyslaw Nogly, Joerg Standfuss  
 TODO, TODO

Correspondence to: Joerg Standfuss at [joerg.standfuss@psi.ch](mailto:joerg.standfuss@psi.ch)

URL: <https://www.jove.com/video/59087>

DOI: [doi:10.3791/59087](https://doi.org/10.3791/59087)

## Materials

Name	Company	Catalog Number	Comments
Mosquito LCP Syringe Coupling	TTP labtech store	3072-01050	
Hamilton Syringe 1710 RNR, 100 $\mu$ l	Hamilton	HA-81065	
Hamilton Syringe 1750 RNR, 500 $\mu$ l	Hamilton	HA-81265	
Monoolein	Nu-Chek Prep, Inc.	M-239	
7.9 MAG	Avanti Polar Lipids Inc.	850534O	
50% w/v PEG 2000	Molecular Dimensions	MD2-250-7	
Paraffin (liquid)	Sigma-Aldrich	1.07162	
High speed camera	Photron		Photron Mini AX
High magnification lens	Navitar		12X Zoom Lens System
Three axis stage	ThorLabs	PT3/M	
Fiber light	Thorlabs	OSL2	
Fused silica fiber	Molex/Polymicro	TSP-505375	
Lite touch ferrule	IDEX	LT-100	
ASU high viscosity injector	Arizona State University		Purchasable from Uwe Weierstall (weier@asu.edu)
HPLC pump	Shimadzu	LC-20AD	
Electronic gas regulator	Proportion Air	GP1	