

Materials List for:

Calibration-free *In Vitro* Quantification of Protein Homo-oligomerization Using Commercial Instrumentation and Free, Open Source Brightness Analysis Software

Rory Nolan¹, Luis A. Alvarez¹, Samuel C. Griffiths², Jonathan Elegheert², Christian Siebold², Sergi Padilla-Parra^{1,2,3,4}

¹Cellular Imaging Group, Wellcome Centre Human Genetics, University of Oxford

²Division of Structural Biology, Wellcome Centre Human Genetics, University of Oxford

³Dynamic Structural Virology Group, Biocruces Health Research Centre

⁴IKERBASQUE, Basque Foundation for Science

Correspondence to: Sergi Padilla-Parra at spadilla@well.ox.ac.uk

URL: <https://www.jove.com/video/58157>

DOI: [doi:10.3791/58157](https://doi.org/10.3791/58157)

Materials

Name	Company	Catalog Number	Comments
RosettaTM (DE3) pLysS cells	Novagen	70956-3	
Ampicillin	Sigma Aldrich	PubChem Substance ID 329824407	
Chloramphenicol	Sigma Aldrich	PubChem Substance ID: 24892250	
LB starter culture	QIAGEN		
LB medium	QIAGEN	https://www.sigmaaldrich.com/content/dam/sigma-aldrich/head/search/external-link-icon.gif	
IPTG	Sigma Aldrich	PubChem Substance ID 329815691	
IMAC buffer	Medicago	09-1010-10	
EDTA-free protease inhibitors	Sigma Aldrich	11873580001	
TALON resin	Clontech		
Nickel sepharose	GE Healthcare		
S200 16/60 column	GE Healthcare		
Glass bottom 8 well observation dish	Ibidi	80827	