

Materials List for:

Analysis of *Yersinia enterocolitica* Effector Translocation into Host Cells Using Beta-lactamase Effector Fusions

Manuel Wolters¹, Bernd Zobiak², Theresa Nauth¹, Martin Aepfelbacher¹

¹Institute for Medical Microbiology, Virology and Hygiene, University Medical Center Hamburg-Eppendorf

²UKE Microscopy Imaging Facility, University Medical Center Hamburg-Eppendorf

Correspondence to: Manuel Wolters at m.wolters@uke.de

URL: <https://www.jove.com/video/53115>

DOI: [doi:10.3791/53115](https://doi.org/10.3791/53115)

Materials

Name	Company	Catalog Number	Comments
LB-Agar	Roth	X969.2	
LB-Medium	Roth	X968.2	
Dulbecco's Phosphate Buffered Saline	Sigma-Aldrich	D8662-500ML	
96-well plate (black, clear bottom)	Greiner Bio One	655087	
DMEM, high glucose, GlutaMAX Supplement, pyruvate	Gibco/Life Technologies	31966-047	
Probenecid	Sigma-Aldrich	P8761-25G	
LiveBLAzer FRET-B/G Loading Kit with CCF4-AM	Life Technologies	K1095	
Lectin from Triticum vulgaris (wheat) FITC conjugate	Sigma-Aldrich	L4895	Used for peak emission and cross-talk determination
V450 Rat anti-Mouse CD8a	BD Bioscience	560469	Used for peak emission and cross-talk determination
Immersion oil	Zeiss	444969-0000-000	Refractive index = 1.3339 @ 23 °C
TCS SP5 II confocal laser scanning microscope	Leica microsystems		2x GaAsP-Hybrid detectors, 4 channel spectrometer, acousto-optical beam splitter, motorized XY stage, adjustable pinhole, objective 20X HC PL APO CS IMM/CORR, 405 nm diode laser 50 mW
Imaris 7.6 software	Bitplane		Plugins included ImarisXT and MeasurementPro
MatLab compiler runtime	MathWorks		
Prism 5	GraphPad software		