

Materials List for:

Quantitative Immunofluorescence to Measure Global Localized Translation

Jonathan Bergeman¹, Marc-Étienne Huot^{1,2}

¹Centre de Recherche sur le Cancer de l'Université Laval, Faculté de Médecine, Département de Biologie moléculaire, biochimie médicale et pathologie, Université Laval

²CRCHU de Québec: L'Hôtel-Dieu de Québec

Correspondence to: Marc-Étienne Huot at Marc-Etienne.Huot@crchudequebec.ulaval.ca

URL: <https://www.jove.com/video/55909>

DOI: [doi:10.3791/55909](https://doi.org/10.3791/55909)

Materials

Name	Company	Catalog Number	Comments
DMEM	wisent	319-005-CL	
Trypsine	wisent	325-043 EL	
FBS	Thermo Fisher Scientific	12483020	
Puroycin antibody 12D10	EMD millipore	MABE343	western blot dilution 1:25,000 Immunofluorescence dilution 1:10,000
Anti-mouse IgG, HRP-linked Antibody	cell signaling technology	7076	western blot dilution 1:8,000
Western Lightning Plus-ECL	Perkin Elmer	NEL104001EA	
Anti-mouse IgG (H+L), F(ab') ₂ Fragment (Alexa Fluor 488 Conjugate)	cell signaling technology	4408	immunofluorescence dilution 1:400
CF568 Phalloidin	biotium	00044	immunofluorescence dilution 1:400
Cycloheximide	Sigma	C1988-1G	50µg/ml final concentration
DAPI (4',6-Diamidino-2-Phenylindole, Dihydrochloride)	Invitrogen	D1306	final concentration 1µg/ml
Puromycin	bio-Basic	PJ593	2.5µg/ml to 10µg/ml
Ibidi µ-Dish 35 mm, high, ibiTreat	Ibidi	81156	
MRC-5 cells	ATCC	CCL-171	
HeLa cells	ATCC	CCL-2	
Huh-7 cells	from Dr. Mazroui (Université Laval)		
Fv1000	olympus		confocal imaging system
Fiji software			http://fiji.sc
PBS (Phosphate Buffer Saline)	bio-Basic	PD8117	
Formaldehyde 37% Solution	bio-Basic	C5300-1	
Triton X-100	bio-Basic	TB0198	
BSA	Fisher Bioreagents	BP9702-100	
Tween20	Fisher Bioreagents	BP337-500	