

Materials List for:

Phagosome Migration and Velocity Measured in Live Primary Human Macrophages Infected with HIV-1

Gabrielle L -Bury¹, Chantal Deschamps¹, Audrey Dumas¹, Florence Niedergang¹

¹Inserm U1016, Institut Cochin, CNRS UMR 8104, Universit  Paris Descartes, Sorbonne Paris Cit 

Correspondence to: Florence Niedergang at florence.niedergang@inserm.fr

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Materials

Name	Company	Catalog Number	Comments
Falcon 100 mm TC-Treated Cell Culture Dish	Corning	353003	For viral production
Glass Bottom Dishes 35 mm uncoated 1.5	MatTek corporation	P35G-1.5-14-C Case	For acquisition
Falcon Tissue Culture Plates 6-well	Thermo Fischer Scientific	Corning. Inc. 353934	For human monocyte-derived macrophages
Ficoll-Plaque PLUS	Dominique Dutscher	17-1440-03	a neutral, highly branched, high-mass, hydrophilic polysaccharide in solution for density centrifugation
DPBS, no calcium, no magnesium	Thermo Fischer Scientific	14190-094	RT
Dulbecco's Modified Eagle Medium (DMEM) 1x, liquid (High Glucose)	GIBCO, Molecular probes	31966-021	Conserved at 4 �C ; for HEK cells culture
RPMI 1640 medium GLUTAMAX Supplement	Life technologies	61870-010	Conserved at 4 �C; for hMDMs culture
Foetal Calf Serum (FCS)	Eurobio	CVFSVF0001	Conserved at -20 �C ; decomplexed
Penicillin-Streptomycin (10,000 U/ml)	Thermo Fischer Scientific	15140-122	Conserved at -20 �C ; for hMDMs culture
RPMI 1640 medium, no phenol red (10x 500 ml)	Life technologies	11835-105	Warm in 37 �C water bath before use ; for phagocytosis assay
FuGENE6 Transfection Reagent	Promega	E2692	Conserved at 4 �C ; for viral production
Sheep red blood cells (SRBCs)	Eurobio	DSGMTN00-0Q	Conserved in Alsever buffer at 4 �C before use
Anti-sheep red blood cells IgG	MP Biomedicals	55806	Conserved at 4 �C
Bovine Serum Albumin heat shock fraction, pH 7, �98%	Sigma	A7906	Conserved at -20 �C
Inverted microscope DMI600	Leica		
Confocal Spinning Disk Unit CSU-X1M1	Yokogawa		
491 nm 50 mW laser	COBOLT CALYPSO		
HCX PL APO CS Objectif	Leica		Objective lens ; Magnification 100X ; Numerical aperture 1.40 ; Immersion oil
CoolSnap HQ2 (FireWire) Camera	Photometrics		Pixel size 6.45 �m x 6.45 �m ; Definition 1,392 x 1,040 ; Encoding the image in 14 Bit
Metamorph 7.7.5 software	Molecular Devices		For the control of the microscope
GraphPad Prism software			For the statistics analysis