

Materials List for:

# Imaging G Protein-coupled Receptor-mediated Chemotaxis and its Signaling Events in Neutrophil-like HL60 Cells

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## Materials

Name	Company	Catalog Number	Comments
RPMI 1640 Medium GlutaMAX	Life technologies	61870-036	
Sodium pyruvate	Thermo Fisher Scientific	11360-070	
Fetal bovine serum	Gemini Bio-Products	100-106	
1 M HEPES sterile solution, pH 7.3	Quality Biological Inc.	A611-J848-06	
Penicillin streptomycin solution	Fisher Scientific	15140122	
Nucleofector™ 2b	Lonza	AAB-1001	
Amata™ Cell Line Nucleofector™ Kit V including Nucleofector™ Solution, Single use pipettes, Amata™ certified 100 ml aluminum electrode cuvettes	Lonza	VCA-1003	
Lab-Tek chambered #1.0 Borosilicate Coverglass	Nalge Nunc International Inc	155383	
2% Gelatin solution	Sigma-Aldrich	G1393	
Fibronectin	Sigma-Aldrich	F1141	
HBSS (Hanks' Balanced Salt Solution)	Life technologies	14025-076	
Bovine serum albumin	Sigma-Aldrich	A3803	
Single well Lab-Tek II coverglass chambers	Nalge Nunc International Inc	155361	
Four-well Lab-Tek II coverglass chambers	Nalge Nunc International Inc	155383	
Alexa 594	Thermo Fisher Scientific	A-10438	
fMLP	Sigma -Aldrich	F3506-5MG	
Cover glass thickness (2) 22 mm x 22 mm	Corning	2855-22	
EZ-TAXIScan	Effector Cell Institute, Inc.	MIC-1001	
EZ-TAXIScan chip (5 mm)	Effector Cell Institute, Inc.	EZT-F01-5	
1701RN 10 µl syringe	Hamilton	80030	
Femtotips II Injection tips	Eppendorf	5242956003	
Femtotips II	Eppendorf	930000043	
TransferMan NK2, including motor module, X head with angle adjuster, and Positioning aids.	Eppendorf	5188900056	
DIAS software	Solltech Inc.		
LSM 780 META or equivalent confocal microscope with a 40X	Carl Zeiss		

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1.3 NA or 60X 1.4 NA oil DIC Plan-Neofluar objective lens			
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