

Visualizing Membrane Ruffle Formation using Scanning Electron Microscopy

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Citation

 Ahn, W., Singla, B., Marshall, B., Csányi, G. Visualizing Membrane Ruffle Formation using Scanning Electron Microscopy. *J. Vis. Exp.* (171), e62658, doi:10.3791/62658 (2021).

Date Published

May 27, 2021

DOI

10.3791/62658

URL

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Materials

Name	Company	Catalog Number	Comments
0.5% Trypsin-EDTA	Gibco	15400-054	
2% Glutaraldehyde	Electron Microscopy Sciences	16320	
4% Paraformaldehyde	Santa Cruz Biotechnology	281692	
5-(N-ethyl-N-isopropyl)-Amloride	Sigma Life Science	A3085	
Accuri C6 Flow Cytometer			
Carbon Adhesive Tabs	Electron Microscopy Sciences	77825-09	
Dimethyl Sulfoxide	Corning	25-950-CQC	
Dulbecco's Modified Eagle Medium	Cytiva Life Sciences	SH30022.01	
Falcon 24-well Clear Flat Bottom TC-treated Multiwell Cell Culture Plate	Falcon	353047	
Fetal Bovine Serum	Gemini Bio	900-108	
FitC-dextran	Thermo Fisher Scientific	D1823	
FM 4-64	Thermo Fisher Scientific	T13320	
HERAcell 150i CO2 incubator	Thermo Fisher Scientific	51026282	
Hummer Model 6.2 Sputter Coater	Anatech USA	58565	
JSM-IT500HR scanning electron microscope			
Microscope Cover Glass	Thermo Fisher Scientific	12-545-82	
Pen Strep	Gibco	15140-122	
phorbol 12-myristate 13-acetate	Millipore Sigma	524400	
RAW 264.7 macrophage	ATCC	ATCC TIB-71	
Recombinant Human M-CSF	Peprtech	300-25	
Samdri-790 Critical Point Dryer	Tousimis Research Corporation	8778B	
SEM Aluminum Specimen Mounts	Electron Microscopy Sciences	75220	
Sodium Cacodylate	Electron Microscopy Sciences	12300	
Texas red-dextra	Thermo Fisher Scientific	D1864	
Trypan Blue Solution	Thermo Fisher Scientific	15250061	

Zeiss LSM 780 confocal microscope			
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