

Materials List for:

Culture of Brain Capillary Pericytes for Cytosolic Calcium Measurements and Calcium Imaging Studies

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URL: <https://www.jove.com/video/61253>

DOI: [doi:10.3791/61253](https://doi.org/10.3791/61253)

Materials

Name	Company	Catalog Number	Comments
ATP	Tocris	3245	
Cal-520 AM	AAT Bioquest	21130	
Cell incubator	Thermo Fisher		
Centrifuge	Thermo Fisher	Heraeus Multifuge 3SR+	Standard large volume centrifuge for spinning down cells
Collagen IV	Sigma Aldrich	C5533	
Confocal laser scanning microscope	Carl Zeiss	Zeiss LSM 510	Inverted microscope
Counting chamber	FastRead	102	
Coverslip cell chamber	Airekacells	SC15022	
Cremophor EL	Sigma Aldrich	C5135	Formerly known as Kolliphor EL
DMSO	Sigma Aldrich	471267	
Dulbecco's Modified Eagles Medium	Sigma Aldrich	D0819	
Fetal bovine serum (FBS)	PAA/GE Healthcare	A15-101	
Fibronectin	Sigma Aldrich	F1141	
Fura-2 AM	Thermo Fisher	F1201	
Glass coverslips 22x22 mm	VWR International	631-0123	
HBSS	Gibco	14065-049	
Heparin	Sigma Aldrich	H3149	
HEPES	AppliChem Panreac	A1069	
Light microscope	Olympus	Olympus CK2	Upright light microscope with phase contrast
MEM nonessential amino acids	Sigma Aldrich	M7145	
Microplate Reader	BMG LabTech	NOVOstar	
PBS	Sigma Aldrich	D8537	Phosphate-buffered saline
penicillin G sodium/streptomycin sulfate	Sigma Aldrich	P0781	
Pluronic F127	Sigma Aldrich	P2443	
Trypsin-EDTA	Sigma Aldrich	T4299	
T-75 flask	Sigma Aldrich	CLS3972	
96-well plate	Corning incorporated	3603	