

Materials List for

Optical Sectioning and Visualization of the Intervertebral Disc from Embryonic Development to Degeneration

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jove.com/video/62594

Materials

Name	Company	Catalog Number	Comments
Amphotericin B	Merck KGaA, Germany	A2942	
Adhesion Microscope Slides SuperFrost Plus	R. Langenbrinck, Germany	03-0060	
ApoTome	Carl Zeiss MicroImaging GmbH, Germany	462000115	
AxioVision Rel. 4.8 with Modul MosaiX	Carl Zeiss MicroImaging GmbH, Germany		
CellMask Actin Tracking Stain	Thermo Fischer Scientific, US	A57249	
Cryostat	Leica Biosystems, US	CM3050S	
DAPI	Thermo Fischer Scientific, US	D1306	
Dulbecco's modified Eagle's medium (DMEM)	Gibco, Life Technologies, Germany	41966052	
Ethylenediaminetetraacetic acid	Sigma-Aldrich, US	60004	
Fluorescence Microscope - Axio Observer Z1 with Axio Cam MR3 and Colibri	Carl Zeiss MicroImaging GmbH, Germany	3834000604	
Formaldehyde	Merck KGaA, Germany	104002	
Image J 1.53a, with Cell counter plugin	National Institute of Health (NIH), US		
Invitrogen Alexa Fluor 568 Phalloidin	Thermo Fischer Scientific, US	A12380	
Microscopic Cover Glasses	R. Langenbrinck, Germany	01-1818/1	
PAP Pen Liquid Blocker	Science Services GmbH, Germany	N71310	
Penicillin-Streptomycin	Sigma-Aldrich, US	P4333	
Phosphate buffered saline	Sigma-Aldrich, US	P5119	
Scalpel	pf medical AG, Germany	2023-01	
Tissue-tek O.C.T. Compound	Sakura Finetek, Netherlands	SA6255012	