

Materials List for:

Real-time Visualization and Analysis of Chondrocyte Injury Due to Mechanical Loading in Fully Intact Murine Cartilage Explants

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Materials

Name	Company	Catalog Number	Comments
Calcein, AM	Invitrogen by Thermo Fisher Scientific	C3100MP	20x50mg , Eugene, OR, USA
Propidium Iodide	Invitrogen by Thermo Fisher Scientific	P3566	1 mg/mL solution in water, 10mL, Eugene, OR, USA
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	276855	1L DMSO, anhydrous, ≥99.9%, St. Louis, MO, USA
HBSS (calcium, magnesium, no phenol red)	Gibco by Thermo Fisher Scientific	14025-092	1X, 500mL, Grand Island, NY, USA
Feather surgical blade (#11)	VWR	102097-822	Hatfield, PA, USA
Vapor pressure osmometer, VAPRO	ELITechGroup	Model 5520	Puteaux, France
pH meter	Beckman	Model Phi 32	Brea, CA, USA
Eppendorf thermomixer	Eppendorf AG	Model 5350	Hamburg, Germany
Motorized inverted research microscope	Olympus	Model IX-81	Center Valley, PA, USA
Wooden applicator	Puritan Medical Products Company, LLC	807	6"x100, Guilford, ME, USA
1.5 Glass coverslips	Warner Instruments, LLC	64-1696	#1.5, 0.17mm thick, 40mm diameter, Hamden, CT, USA