

Characterization of Intra-Cartilage Transport Properties of Cationic Peptide Carriers

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Materials

Name	Company	Catalog Number	Comments
316 Stainless Steel SAE Washer	McMaster-Carr	91950A044	For number 5 screw size, 0.14" ID, 0.312" OD
96-Well Polystyrene Plate	Fisherbrand	12566620	Black
Acrylic Thick Gauge Sheet	Reynolds Polymer	N/A	For non-equilibrium diffusion and 1-D diffusion transport chamber
Antibiotic-Antimycotic	Gibco	15240062	100x
Bovine Cartilage	Research 87	N/A	2-3 weeks old, femoropatellar groove
Bovine Serum Albumin	Fisher BioReagents	BP671-1	
CPC+14	LifeTein	LT1524	Custom designed peptide
CPC+20	LifeTein	LT1525	Custom designed peptide
CPC+8	LifeTein	LT1523	Custom designed peptide
Delicate Task Wipers	Kimberly-Clark Professional	34155	
Dermal Punch	MedBlades	MB5-1	3, 4 and 6 mm
Economy Plain Glass Microscope Slides	Fisherbrand	12550A3	
Flat Bottom Cell Culture Plates	Corning Costar	3595	Clear, 96 well
Flexible Wrapping Film	Bemis Parafilm M Laboratory	1337412	
Gold Seal Cover Glass	Electron Microscopy Sciences	6378701	# 1.5, 18x18 mm
Hammer-Driven Hole Punch	McMaster-Carr	3427A15	1/2" Diameter
Hammer-Driven Hole Punch	McMaster-Carr	3427A19	3/4" Diameter
Laser	Chroma Technology	AT480/30m	Spectrophotometer Laser Light
Low-Strength Steel Hex Nut	McMaster-Carr	90480A007	6-32 Thread size
LSM 700 Confocal Microscope	Zeiss	LSM 700	
Micro Magnetic Stirring Bars	Bel-Art Spinbar	F37119-0007	7x2 mm
Multipurpose Neoprene Rubber Sheet	McMaster-Carr	1370N12	1/32" Thickness
Non-Fat Dried Bovine Milk	Sigma Aldrich	M7409	
Petri Dish	Chemglass Life Sciences	CGN1802145	150 mm diameter
Phosphate-Buffered Saline	Corning	21-040-CMR	1x

Plate Shaker	VWR	89032-088	
Protease Inhibitors	Thermo Scientific	A32953	
Razor Blades	Fisherbrand	12640	
R-Cast Acrylic Thin Gauge Sheet	Reynolds Polymer	N/A	Black transport chamber inserts
RTV Silicone	Loctite	234323	Epoxy, Non-corrosive, clear
Scalpel	TedPella	549-3	#10, #11 blades
Signal Receiver	Chroma Technology	ET515lp	Spectrophotometer Laser Signal Receiver
Snap-Cap Microcentrifuge Tubes	Eppendorf	22363204	1.5 mL
Spatula	TedPella	13508	
Synergy H1 Microplate Reader	Biotek	H1M	
Zinc-Plated Alloy Steel Socket Head Screw	McMaster-Carr	90128A153	6-32 Thread size, 1" Long