

Three-Dimensional Collagen Matrix Scaffold Implantation as a Liver Regeneration Strategy

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Materials

Name	Company	Catalog Number	Comments
Anionic detergent	Alconox	Z273228	
Biopsy cassettes	Leica	3802453	
Camera DMX	Nikon	DXM1200F	
Centrifuge	Eppendorf	5424	
Chlorhexidine gluconate 4%	BD	372412	
Cover glasses 25 mm x 40 mm	Corning	2980-224	
Eosin	Sigma-Aldrich	200-M	CAS 17372-87-1
Ethyl alcohol, pure	Sigma-Aldrich	459836	CAS 64-17-5
Flunixin meglumide	MSD	Q-0273-035	
Glass slides 75 mm x 25 mm	Corning	101081022	
Hematoxylin	Merck	H9627	CAS 571-28-2
Hydrochloric acid 37%	Merck	339253	CAS 7647-01-0
Ketamine	Pisa agropecuaria	Q-7833-028	
Light microscope	Nikon	Microphoto-FXA	
Microsurgery stereomicroscope	Zeiss	OPMI F170	
Microtainer yellow cape	Beckton Dickinson	365967	
Microtome	Leica	RM2125	
Model animal: Wistar rats	Universidad Nacional Autónoma de México		
Nylon 3-0 (Dermalon)	Covidien	1750-41	
Polypropylene 7-0	Atramat	SE867/2-60	
Povidone-iodine 10% cutaneous solution	Diafra SA de CV	1.37E+86	
Scanning electronic microscope	Zeiss	DSM-950	

Sodium hydroxide, pellets	J. T. Baker	3722-01	CAS 1310-73-2
Software ACT-1	Nikon	Ver 2.70	
Stereomicroscope	Leica	EZ4Stereo 8X-35X	
Sterrad 100S	Johnson and Johnson	99970	
Surgipath paraplast	Leica	39601006	
Syringe of 1 mL with needle (27G x 13 mm)	SensiMedical	LAN-078-077	
Tissue Processor (Histokinette)	Leica	TP1020	
Tissue-Tek TEC 5 (Tissue embedder)	Sakura Finetek USA	5229	
Trichrome stain kit	Sigma-Aldrich	HT15	
Unicell DxC600 Analyzer	Beckman Coulter	BC 200-10	
Xylazine	Pisa agropecuaria	Q-7833-099	
Xylene	Sigma-Aldrich	534056	CAS 1330-20-7