

Materials List for:

Protocol for Isolation of Primary Human Hepatocytes and Corresponding Major Populations of Non-parenchymal Liver Cells

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Materials

Name	Company	Catalog Number	Comments
General Equipment			
PIPETBOY	Eppendorf		
pipettes	Eppendorf		
microscope	Carl Zeiss		
microscope	Olympus		
CO ₂ -incubator	Binder		
Lamin Air	Heraeus		
Centrifuge Varifuge 3.0R	Heraeus		
Urine Beaker	Sarstedt	2041101	
perfusor syringe 50 ml	B.Braun	12F0482022	
Bottle Top Filter	Nalgene	1058787	
Falcon 50 ml Polypropylene Conical Tube	BD Biosciences	352070	
Falcon 15 ml Polypropylene Conical Tube	BD Biosciences	352096	
Tissue Culture plate	BD Biosciences	533047	24 well
serological pipettes	BD Biosciences	357525, 357551, 357543	25 ml, 10 ml, 5 ml
pipette tips	SARSTEDT	0220/2278014, 0005/2242011, 0817/2222011	100 µl, 200 µl, 1,000 µl
Name	Company	Catalog Number	Comments
Isolation Equipment			
water bath	Lauda		
peristaltic pump	Carl Roth		
circulation thermostat	Lauda		
pH meter	Schott		
fine scales	Sartorius		
stand			
Büchner funnel	Haldenwanger		
plastic funnel			
silicone tube			
cannulae with olive tips			
glass dish			
forceps			

scalpel	Feather	12068760	
Neubauer counting chamber	Optic Labor		
cell lifter	Costar		
Surgical Drape	Charité Universitätsmedizin Berlin	A2013027	
compress	Fuhrmann	40013331	
sterile surgical gloves	Gammex PF	1203441104	
Tissue glue	B. Braun	1050052	
glass bottle	VWR		
Collagenase P	Roche	13349524	
Percoll Separating Solution	Biochrom	L6145	Density 1.124 g/ml
Hank's BSS	PAA	H00911-3938	
Dulbecco's PBS	PAA	H15 - 002	without Mg/Ca
Ampuwa	Plastipur	13CKP151	
Albumin	Sigma-Aldrich	A7906	
NaCl	Merck	1,064,041,000	
KCl	Merck	49,361,000	
Hepes Pufferan	Roth	133196836	
EDTA	Sigma	E-5134	
Name	Company	Catalog Number	Comments
Media Equipment			
DMEM	PAA	E15-005	Low Glucose (1 g/L) (without L-Glutamine)
HEPES Buffer Solution 1 M	GIBCO	1135546	
L-Glutamine	GIBCO	25030-024	200 mM
MEM NEAA	GIBCO	11140-035	
penicillin/streptomycin	GIBCO	15140-122	
RPMI 1640	PAA	E15 - 039	without L-Glutamine
Sodium Pyruvate	GIBCO	1137663	100 mM
Trypan Blue Solution	Sigma-Aldrich	T8154	0.4%
William's E	GIBCO	32551-020	
with GlutaMAX™			
EGTA	Sigma-Aldrich	03780-50G	
Fortecortin	Merck	49367	8 mg/2 ml
Human-Insulin	Lilly	HI0210	100 I.E./ml
N-Acetyl cysteine	Sigma-Aldrich	A9165-5G	
Fetal calf serum (FCS)	PAA	A15-101	
Name	Company	Catalog Number	Comments
Equipment for Immunostainings			
CD 68	R&D Systems, USA		monoclonal
CK 19	Santa Cruz	D2309	polyclonal
CK18	Santa Cruz	K2105	monoclonal
Vimentin	Santa Cruz		monoclonal
GFAP	Sigma Aldrich		monoclonal
Triton X-100	Sigma Aldrich	23.472-9	
Goat anti-Mouse IgG1-PE	Santa Cruz	C0712	
Goat anti-rabbit IgG-FITC	Santa Cruz	L0412	

Methanol	J.T.Baker	1104509006	
Formaldehyde 4%	Herbeta Arzneimittel	200-001-8	
Bovine serum albumin (BSA)	Sigma Aldrich	A7906-100G	