

Materials List for:

# Isolation and Enrichment of Liver Progenitor Subsets Identified by a Novel Surface Marker Combination

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URL: <https://www.jove.com/video/55284>

DOI: [doi:10.3791/55284](https://doi.org/10.3791/55284)

## Materials

Name	Company	Catalog Number	Comments
RPMI	Life Technologies	21875-034	
phenol red free DMEM	Life Technologies	31053-028	
FBS	Life Technologies	10270-106	
Collagenase P	Sigma-Aldrich	11249002001	
DNase-I	Sigma-Aldrich	10104159001	
Dispase	Life Technologies	17105041	
ACK Lysing Buffer	Life Technologies	A10492-01	
HBSS	Life Technologies	14025-050	
PBS	Sigma-Aldrich	D8537	
Sodium Azide	Sigma-Aldrich	S2002	Prepare 1% stock solution
10% BSA	Miltenyi Biotec	130-091-376	
autoMACS Rinsing Solution	Miltenyi Biotec	130-091-222	add 0.5% (v/v) BSA and store on ice
Phenol-red free DMEM	Sigma-Aldrich	D1145	
counting Beads Count Bright	Life Technologies	C36950	
PI	Miltenyi Biotec	130-093-233	
FcR Blocking Reagent	Miltenyi Biotec	130-092-575	
anti-CD31 MicroBeads	Miltenyi Biotec	130-097-418	
anti-CD45 MicroBeads	Miltenyi Biotec	130-052-301	
Dead Cell Removal Kit	Miltenyi Biotec	130-090-101	
anti-Biotin MicroBeads	Miltenyi Biotec	130-090-485	
CD64 Purified	BioLegend	139302	Dilution: 1:100
CD16/32 Purified	BioLegend	101302	Dilution: 1:100
CD45 APC/Cy7	BioLegend	103116	Dilution: 1:200, marks hematopoietic cells
CD31 Biotin	BioLegend	102504	Dilution: 1:200, marks endothelial cells
ASGPR1 Purified	Bio-Techne	AF2755-SP	Dilution: 1:100, marks hepatocytes
Podoplanin APC	BioLegend	127410	Dilution: 1:1,400, marks progenitor cells
Podoplanin Biotin	BioLegend	127404	Dilution: 1:1,400
CD133 PE	Miltenyi Biotec	130-102-210	use 3 µL, marks progenitor cells
CD133 Biotin	BioLegend	141206	Dilution: 1:100
CD34 Biotin	eBioScience	13-0341-81	Dilution: 1:100

CD90.2 Pacific Blue	BioLegend	140306	Dilution: 1:800
CD157 PE	BioLegend	140203	Dilution: 1:600
EpCAM Brilliant Violet 421	BioLegend	118225	Dilution: 1:100
Sca-1 Biotin	Miltenyi Biotec	130-101-885	use 10 $\mu$ L
Mouse IgG2b, $\kappa$ PE	BioLegend	400311	
Rat IgG1 PE	BioLegend	400407	
Rat IgG2b, $\kappa$ APC/Cy7	BioLegend	400624	
Rat IgG2a, $\kappa$ Biotin	BioLegend	400504	
Rat IgG2a, $\kappa$ Brilliant Violet 421	BioLegend	400535	
Syrian Hamster IgG APC	BioLegend	402012	
Syrian Hamster IgG Biotin	BioLegend	402004	
Normal Goat IgG Control Purified	Bio-Techne	AB-108-C	
Donkey anti-Goat IgG Alexa Fluor 488	Life Technologies	A11055	Dilution: 1:800
Streptavidin Alexa Fluor 405	Life Technologies	S32351	Dilution: 1:400
100 $\mu$ m Filter mesh	A. Hartenstein	PAS3	
LS Column	Miltenyi Biotec	130-042-401	
QuadroMACS separator	Miltenyi Biotec	130-090-976	
MACSQuant Analyzer 10	Miltenyi Biotec	130-096-343	
AutoMACS Pro Separator	Miltenyi Biotec	130-092-545	
FACS AriaTMIII	BD Biosciences		
FACSDiva software	BD Biosciences		
Polypropylene Round bottom tube	Falcon	352063	
Rneasy plus mini kit	Qiagen	74134	RLT lysis buffer is included