

## Materials List for:

## Isolation of Embryonic Ventricular Endothelial Cells

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## **Materials**

Name	Company	Catalog Number	Comments
REAGENTS			
Timed-pregnant mice			To be dissected at the embryonic stage of interest
Anti-mouse CD31	BD Bioscience	553370	
Rat IgG Dynabeads	Invitrogen	110-35	
Collagen	BD Bioscience	354236	
PBS (1x)			
Collagenase, type I	Worthington Biochemical	LS004196	
DMEM	Cellgro		
FBS	Sigma-Aldrich	F2442	
Endothelial cell growth medium	(made in lab as described in notes)		DMEM containing 20% FBS, 5 μM β-mercapt–thanol, 50 μg/ml ECG, and 1x penicillin/streptomycin
β-mercapt-thanol	Sigma-Aldrich	M6250	
ECGS	Biomedical Technologies, Inc.	BT-203	
Penicillin-Streptomycin	Gibco	15140	
Trypsin-EDTA	Gibco	25300	
384-well culture plate	Greiner	Т-3037-6	Plate was prepared with a thin collagen gel, as described in <sup>6</sup> ; working surface area 10 mm <sup>2</sup>
Collagen type I	BD	354236	Use at a final concentration of 1.5 mg/ml
M199, 10x	Invitrogen	11825-015	
Syto-16	Invitrogen	S7578	Used as directed in <sup>13</sup>
EQUIPMENT	'		•
Stereoscopic microscope	Nikon	SMZ645	
Cell culture incubator	Thermo	3110	
DynaMag	Invitrogen	123-21D	
Table-top centrifuge	Thermo	75002430	