

Materials List for

# Endothelial Cell Culture from Rat Brain Microvessels: A Procedure to Isolate and Culture Endothelial Cells from Microvessels of Rat Brain

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URL: <https://www.jove.com/video/20634>  
DOI: [doi:10.3791/20634](https://doi.org/10.3791/20634)

## Materials

Name	Company	Catalog Number	Comments
Fetal bovine serum	Invitrogen	10270-098	-20 °C / 1 year
BSA fraction V low endotoxin	PAA	K45-011-500g	4 °C
Penicillin-streptomycin	Invitrogen	15140-122	-20 °C
T75 flasks	Becton Dickinson Falcon	353135	
HEPES buffer (1 M)	Invitrogen	15630-056	4 °C / 1 year
Collagen type IV mouse (10 x 1 mg)	Becton Dickinson	356233	-20 °C / 1 month
Fibronectin human plasma (5 mg)	Becton Dickinson	356008	-20 °C / 1 month
Vannas spring scissors, straight (9 cm)	Fine Science Tools	91500-09	
Scissors, straight (9 cm)	Fine Science Tools	14568-09	
Forceps Dumont #5/45 (11 cm)	Fine Science Tools	11251-35	
Graefe Forceps, tip width 0.8 mm	Fine Science Tools	11050-10	
Graefe Forceps, curve tip width 0.8 mm	Fine Science Tools	11051-10	
Collagenases / dispase mix (2 x 5 mg)	Roche Diagnostics	05 401 054 001	-20 °C / 3 months
DNase I (100 mg / 569 KU / mg)	Sigma Aldrich	DN25-100 mg	-20 °C / 1 year
Gentamicin (10 mg/ml)	Invitrogen	15710-049	4 °C / 1 year
DMEM/F12	Invitrogen	31331-028	4 °C
Bovine serum from platelet poor plasma (500 ml)	Clinisciences	BT-214-100	-20 °C / 1 year
bFGF (10 µg)	Invitrogen	13256-029	-20 °C / 6 months
Heparine Na salt from porcine mucosa Grade I	Sigma Aldrich	H3149-100KU	4 °C / 1 year
Puromycin	Sigma Aldrich	P8833-10 mg	-20 °C / 6 months