

Materials List for:

# Transfer of Manipulated Tumor-associated Neutrophils into Tumor-Bearing Mice to Study their Angiogenic Potential In Vivo

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URL: <https://www.jove.com/video/59807>

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## Materials

Name	Company	Catalog Number	Comments
15 ml tubes	Sarstedt AG & Co., Nümbrecht, Germany	62,554,502	
50 ml tubes	Cellstar, Greiner Bio One International GmbH, Frickenhausen, Germany	227261	
5ml / 10ml / 25ml sterile tips for the automatic pipette	Cellstar, Greiner Bio One International GmbH, Frickenhausen, Germany	6006180 / 607180 / 760180	
6 well flat-bottom cell culture plates	Sarstedt AG & Co., Nümbrecht, Germany	833,920	
96 well flat-bottom cell culture plates	Cellstar, Greiner Bio One International GmbH, Frickenhausen, Germany	655180	
96 well U-bottom cell culture plates	Cellstar, Greiner Bio One International GmbH, Frickenhausen, Germany	65018	
AMG EVOS fl digital inverted microscope	AMG, Bothel, U.S.		
anti-mouse CD11b	BD Pharmigen, Becton Dickinson, Franklin Lakes, U.S.	553312	clone M1/70, APC-conjugated, 0.2mg/mL
anti-mouse Ly6G	BioLegend, California, U.S.	127608	clone 1A8, PE-conjugated, 0.2mg/mL
BD FACS ArialI	BD Biosciences, Becton Dickinson, Franklin Lakes, U.S.		cell sorter
Caliper	Vogel Germany, Kevelaer, Germany		
Casy cell counter	Innovatis, Roche Innovatis AG, Bielefeld, Germany		
Cell Trics 50µm / 100 µm sterile filters	Sysmex Partec GmbH, Goerlitz, Germany	04-004-2327 / 04-004-2328	
Centrifuge Rotina 420 R	Andreas Hettich, Tuttlingen, Germany	4706	
Collagenase D	Sigma-Aldrich/Merck, Darmstadt, Germany	11088858001	
DAPI (4',6-Diamidino-2-Phenylindole, Dilactate)	BioLegend, California, U.S.	422801	Stock: 5mg/ml
Dispase I	Sigma-Aldrich/Merck, Darmstadt, Germany	D4818-2MG	
DMEM	Gibco, Life Technologies/Thermo Fisher Scientific, Massachusetts, U.S.	41966-029	DMEM complete: DMEM + 10% FBS + 1% penicillin-streptomycin

DMSO (Dimethylsulfoxide)	WAK-Chemie Medical GmbH, Steinbach, Germany	WAK-DMSO-10	CryoSure-DMSO
DNase I	Sigma-Aldrich/Merck, Darmstadt, Germany	DN25-100MG	
DPBS	Gibco, Life Technologies/Thermo Fisher Scientific, Massachusetts, U.S.	14190-094	
Endothelial cell growth medium	PromoCell, Heidelberg, Germany	c-22010	
FBS (Fetal Bovine Serum)	Biochrom, Berlin, Germany	S0115	
Fc-block (Anti-mouse CD16/32)	BD Pharmingen, Becton Dickinson, Franklin Lakes, U.S.	553142	clone 2.4G2, Stock: 0.5mg/mL
FK 866 hydrochloride	Axon Medchem, Groningen, Netherlands	Axon 1546	Stock: 100 mM
Goat Anti-Rabbit IgG H&L	Abcam, Cambridge, U.K.	ab97075	Cy3-conjugated, Stock: 0.5 mg/mL
Heracell 240i CO2 Incubator	Thermo Fisher Scientific, Waltham, U.S.	51026334	
IMDM	Gibco, Life Technologies/Thermo Fisher Scientific, Massachusetts, U.S.	12440-053	IMDM complete: IMDM + 10% FBS + 1% penicillin-streptomycin
Isis GT420 shaver	B. Braun Asculap, Suhl, Germany	90200714	
Matrigel Matrix basement membrane	Corning Life Sciences, Amsterdam, Netherlands	7205011	
Microtome Cryostat Microm HM 505 N	Microm International GmbH, Walldorf, Germany		
Monoclonal Anti-Actin, $\alpha$ -Smooth Muscle	Sigma-Aldrich/Merck, Darmstadt, Germany	F3777	FITC-conjugated, no information about stock concentration
Needles 0.4 mm x 16 mm	BD Microlance, Becton Dicson, Becton Dickinson, Franklin Lakes, U.S.	302200	
Neomount	Merck, Darmstadt, Germany	HX67590916	
Normal goat serum	Jackson ImmunoResearch Laboratories, West Grove, U.S.	005-000-121	
Penicillin Streptomycin	Gibco, Life Technologies/Thermo Fisher Scientific, Massachusetts, U.S.	15140-122	
Pipetus automatic pipette	Hirschmann Laborgeräte, Eberstadt, Germany	9907200	
ProLong Gold Antifade Mountant with DAPI	Invitrogen, Thermo Fisher Scientific, Massachusetts, U.S.	P36935	
rabbit anti mouse Laminin gamma 1 chain	Immundiagnostik, Bensheim, Germany	AP1001.1	No information about stock concentration
StemPro Accutase	Gibco, Life Technologies/Thermo Fisher Scientific, Massachusetts, U.S.	A1105-01	
Sterile disposal scalpel (no. 15)	MedWare, Naples, U.S.	120920	
Syringes 1 ml	BD Plastipak, Becton Dickinson, Franklin Lakes, U.S.	303172	
Syringes 10 ml	BD Discardit II, Becton Dickinson, Franklin Lakes, U.S.	309110	
T75 sterile cell culture flasks	Sarstedt AG & Co., Nümbrecht, Germany	833,911,302	
Tissue-Tek O.C.T. Compound	Sakura Finetek, Torrance, U.S.	4583	

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Zeiss AxioObserver.Z1 Inverted Microscope with ApoTome Optical Sectioning	Carl Zeiss, Oberkochen, Germany		
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