

Materials List for

# Efficient Vascularization of Kidney Organoids through Intracelomic Transplantation in Chicken Embryos

Marije Koning<sup>1,2</sup>, Ellen Lievers<sup>1,2</sup>, Thierry Jaffredo<sup>3</sup>, Cathelijne W. van den Berg<sup>1,2,4</sup>, Ton J. Rabelink<sup>1,2,4</sup>

<sup>1</sup>Department of Internal Medicine - Nephrology, Leiden University Medical Center <sup>2</sup>Eindhoven Laboratory of Vascular and Regenerative Medicine, Leiden University Medical Center <sup>3</sup>IBPS, CNRS UMR7622, Developmental Biology Laboratory, Sorbonne Université <sup>4</sup>The Novo Nordisk Foundation Center for Stem Cell Medicine (reNEW), Leiden University Medical Center

## Corresponding Author

Marije Koning  
m.koning@lumc.nl

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## Materials

Name	Company	Catalog Number	Comments
0.2 µm filter: Whatman Puradisc 30 syringe filter 0.2 µm	Whatman	10462200	
35 mm glass bottom dishes	MatTek Corporation	P35G-1.5-14-C	
Aspirator tube assemblies for calibrated microcapillary pipettes	Sigma-Aldrich	A5177-5EA	Contains silicone tubes, mouth piece and connector
Confocal microscope: Leica White Light Laser Confocal Microscope	Leica	TCS SP8	
Dissecting forceps, simple type. Titanium, curved, with fine sharp tips	Hammacher Karl	HAMMHTC091-10	
Dissecting forceps, simple type. Titanium, straight, with fine sharp tips	Hammacher Karl	HAMMHTC090-11	
Dissecting microscope	Wild Heerbrugg	355110	
Dissecting scissors, curved, OP-special, extra sharp/sharp	Hammacher Karl	HAMMHBS391-10	
Donkey serum	Sigma-Aldrich	D9663	
Donkey-α-mouse Alexa Fluor 488	ThermoFisher Scientific	A-212-02	dilution 1:500
Donkey-α-sheep Alexa Fluor 647	ThermoFisher Scientific	A-21448	dilution 1:500
Double edged stainless steel razor blades	Electron Microscopy Sciences	72000	
DPBS, calcium, magnesium (DPBS-/-)	ThermoFisher Scientific	14040133	
DPBS, no calcium, no magnesium (DPBS+/+)	ThermoFisher Scientific	14190094	
Egg cartons or custom made egg holders	NA	NA	
Fertilized white leghorn eggs ( <i>Gallus Gallus Domesticus</i> )	Drost Loosdrecht B.V.	NA	
Incubator	Elbanton BV	ET-3 combi	
Lotus Tetragonolobus lectin (LTL) Biotinylated	Vector Laboratories	B-1325	dilution 1:300

Micro scissors, straight, sharp/sharp, cutting length 10 mm	Hammacher Karl	HAMMHSB500-09	
Microcapillaries: Thin wall glass capillaries 1.5 mm, filament	World Precision Instruments	TW150F-3	
Micropipette puller	Sutter Instrument Company	Model P-97	We use the following settings: Heat 533, Pull 60, Velocity 150, Time 200
Microscalpel holder: Castroviejo blade and pins holder, 12 cm, round handle, conical 10 mm jaws.	Euronexia	L-120	
Mounting medium: Prolong Gold Antifade Mountant	ThermoFisher Scientific	P36930	
Olivecrona dura dissector 18 cm	Reda	41146-18	
Parafilm	Heathrow Scientific	HS234526B	
Penicillin-streptomycin 5,000 U/mL	ThermoFisher Scientific	15070063	
Perforated spoon	Euronexia	S-20-P	
Petri dish 60 x 15 mm	CELLSTAR	628160	
Plastic transfer pipettes	ThermoFisher Scientific	PP89SB	
Purified mouse anti-human CD31 antibody	BD Biosciences	555444	dilution 1:100
Rhodamine labeled Lens Culinaris Agglutinin (LCA)	Vector Laboratories	RL-1042	This product has recently been discontinued. Vectorlabs does still produce Dylight 649 labeled LCA (DL-1048-1) and fluorescein labeled LCA (FL-1041-5)
Sheep anti-human NPHS1 antibody	R&D systems	AF4269	dilution 1:100
Sterile hypodermic needles, 19 G	BD microlance	301500	
Streptavidin Alexa Fluor 405	ThermoFisher Scientific	S32351	dilution 1:200
Syringe 5 mL	BD Emerald	307731	
Transparent tape	Tesa	4124	Available at most hardware stores
Triton X	Sigma-Aldrich	T9284	
Tungsten wire, 0.25 mm dia	ThermoFisher Scientific	010404.H2	