

Materials List for

# DUCT: Double Resin Casting followed by Micro-Computed Tomography for 3D Liver Analysis

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jove.com/video/62941

## Materials

Name	Company	Catalog Number	Comments
1.5 mL SafeSeal micro tubes	Sarstedt	72.706	
23 G butterfly needle with tubing	BD bioscience	367283	
23 G needle	BD bioscience	305892	
30 G needle	BD bioscience	305106	
Agarose	Top-Bio	P045	
Benzyl alcohol	Sigma Aldrich	108006	
Benzyl benzoate	Sigma Aldrich	B6630	
Corning 50 mL tubes	Sigma Aldrich	CLS430829-500EA	polypropylene
Cotton swabs	Medicarier	60406	
Dissection Microscope	Leica Camera AG		Leica M60
Dulbecco's phosphate-buffered saline	ThermoFisher Scientific	14190144	
Ethanol 70%	VWR	83801.41	
Falcon tube 15 mL	Verkon	331.850.084.006	
Forceps curved	Fine Science Tools	11051-10	Fine Graefe 10 cm curved
Forceps straight	Fine Science Tools	11050-10	Fine Graefe 10 cm straight
Formaldehyde solution	Sigma Aldrich	F8775	
GE Phoenix v tome x L 240	Waygate Technologies		micro computed tomography scanner
Hanks' Balanced Salt Solution	ThermoFisher Scientific	14025092	
Heparin	Leo Pharma	B01AB01	5000 IE/mL
Isoflurane	Baxter	FDG9623	
Methanol	ThermoFisher Scientific	11413413	
MICROFIL	Flowtech	MV-122	synthetic resin yellow
MICROFIL	Flowtech	MV-120	synthetic resin blue
MICROFIL	Flowtech	MV-diluent	clear resin diluent
Pasteur pipette	Verkon	130.690.424.503	

Peristaltic pump	AgnThos	010.6131.M20	
phoenix datos x 2.0 software	Baker Hughes		CT data reconstruction software
Rocker	VWR	444-0142	
Silk suture	AgnThos	14757	Black silk, 4-0, sterile, 100 m
Skin scissor	Fine Science Tools	14058-09	Iris straight tip 9 cm
Spring scissor	Fine Science Tools	15000-03	Vannas micro, straight tip 2 mm
Syringe 1 mL Luer	BD bioscience	303172	
Tubing PE10	BD bioscience	427401	
Tubing PE50	BD bioscience	427411	
VG Studio MAX 3.3 software	Volume Graphics GmbH		CT data processing and analysis software