## Materials List for Stabilized Longitudinal *In Vivo* Cellular-Level Visualization of the Pancreas in a Murine Model with a Pancreatic Intravital Imaging Window

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### **Materials**

Name	Company	Catalog Number	Comments
Alexa Fluor 647 Succinimidyl Esters (NHS esters)	Invitrogen	A20006	Fluorescent probe for conjugate with antibody
BALB/C Nude	OrientBio	BALB/C Nude	BALB/C Nude
BD Intramedic polyethylene tubing	BD Biosciences	427401	PE10 catheter for connection with needle
C57BL/6N	OrientBio	C57BL/6N	C57BL/6N
Cover glasses circular	Marienfeld	0111520	Cover glass for pancreatic imaging window
FITC Dextran 2MDa	Merck (Former Sigma Aldrich)	FD200S	For vessel identification
IMARIS 8.1	Bitplane	IMARIS	Image processing
Intravital Microscopy	IVIM tech	IVM-C	Intravital Microscopy
IRIS Scissor	JEUNGDO BIO & PLANT CO, LTD	S-1107-10	This product can be replaced with the product from other company
Loctite 401	Henkel	401	N-butyl cyanoacrylate glue
Micro Needle holder	JEUNGDO BIO & PLANT CO, LTD	H-1126-10	This product can be replaced with the product from other company
Micro rectractor	JEUNGDO BIO & PLANT CO, LTD	17004-03	This product can be replaced with the product from other company
Microforceps	JEUNGDO BIO & PLANT CO, LTD	F-1034	This product can be replaced with the product from other company
MIP-GFP	The Jackson Laboratory	006864	B6.Cg-Tg(Ins1-EGFP)1Hara/J
Nylon 4-0	AILEE	NB434	Non-Absorbable Suture
Omnican N 100 30G	B BRAUN	FT9172220S	For Vascular Catheter, Use only Needle part
PANC-1 NucLightRed	Custom-made	Custom-made	Made in laboratory
Pancreatic imaging window	Geumto Engineering	Custom order	Pancreatic imaging window - custom order
Physiosuite	Kent Scientific	PS-02	Homeothermic temperature controller

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Purified NA/LE Rat Anti-Mouse CD31	BD Biosciences	553708	Antibody for in vivo vessel labeling
Ring Forceps	JEUNGDO BIO & PLANT CO, LTD	F-1090-3	This product can be replaced with the product from other company
Rompun	Bayer	Rompun	Anesthetic agent
TMR Dextran 65-85kDa	Merck (Former Sigma Aldrich)	T1162	For vessel identification
Window holder	Geumto Engineering	Custom order	Window holder - custom order
Zoletil	Virbac	Zoletil 100	Anesthetic agent