

Materials List for:

Near Infrared Optical Projection Tomography for Assessments of β -cell Mass Distribution in Diabetes Research

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Materials

Name	Company	Catalog Number	Comments
Methanol	Scharlau	ME03162500	
30% H ₂ O ₂	Scharlau	HI01362500	
Benzyl Alcohol	Scharlau	AL01611000	
Benzyl Benzoate	Scharlau	BE01851000	
Low-meltingpoint agarose	LONZA	50100	
Paraformaldehyde (PFA)	Sigma-Aldrich	158127	
DMSO	Sigma-Aldrich	D5879	
Triton-X100	Sigma-Aldrich	T8787	
Mouse anti- α SMA-Cy3	Sigma-Aldrich	C6198	Primary antibody
Rabbit anti-CD3	Sigma-Aldrich	C7930	Primary antibody
Guinea Pig anti-Ins	DAKO	A0564	Primary antibody
Donkey anti GP-IRDye680	LI-COR Biosciences	926-32421	Secondary antibody
Goat anti Rb-DyeLight750	Thermo Scientific	35570	Secondary antibody
Goat anti GP-Alexa594	Molecular Probes	A-11076	Secondary antibody
Goat anti GP-Alexa488	Molecular Probes	A-11008	Secondary antibody
Goat anti GP-Alexa594	Molecular Probes	A-11012	Secondary antibody
Goat anti GP-Alexa680	Molecular Probes	A-21076	Secondary antibody
Goat anti GP-Alexa750	Molecular Probes	A-21039	Secondary antibody
OPT Skyscan 3001	Bioptonics		OPT-Scanner
Leica MZ FLIII	Leica Microsystems		Stereomicroscope
Leica Objective 0.5x	Leica Microsystems	10446157	
Leica Camera adapter 1.0x	Leica Microsystems	10445930	
EL6000 Metal Halide		11504115	Lightsource
Liquid Light Guide		11504116	
Cuvette	Hellma Analytics	6030-OG	55 x 55 x 52.5 mm
Mirror	Edmund Optics	F68-334	50 x 50 mm
Andor Ikon-M	Andor Technology	DU934N-BV	Back-illuminated CCD
Filterset	Chroma Technology	41021-MZFLIII	TXR, Alexa-594, Cy3
Filterset	Chroma Technology	41022-MZFLIII	IRDye680, Alexa-680
Filterset	Chroma Technology	49037-MZFLIII	Dylight750, Alexa-750

ProteinG-Sepharose beads	GE Healthcare	17-0618-01	Protein G Sepharose 4 Fast Flow
Sodium Azide	Sigma-Aldrich	08591	Sodium azide 0.1 M solution