

Materials List for:

Hybrid μ CT-FMT imaging and image analysis

Felix Gremse¹, Dennis Doleschel¹, Sara Zafarnia¹, Anne Babler², Willi Jahnen-Dechent², Twan Lammers^{1,3}, Wiltrud Lederle¹, Fabian Kiessling¹

¹Experimental Molecular Imaging, RWTH Aachen University

²Institute for Biomedical Engineering - Biointerface Laboratory, RWTH Aachen University

³Utrecht Institute for Pharmaceutical Sciences, Utrecht University

*These authors contributed equally

Correspondence to: Fabian Kiessling at fkiessling@ukaachen.de

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Materials

Name	Company	Catalog Number	Comments
FMT (Fluorescence molecular tomography) FMT2500 LX	PerkinElmer	FMT2000	Device for fluorescence molecular tomography
μ CT (micro computed tomography) Tomoscope Duo	CT Imaging GmbH	Tomoscope Duo	Device for micro computed tomography
Multimodal Mouse Bed	CT Imaging GmbH	Experimental builder	Partially transparent animal holder
IsoFlo (isoflurane, USP)	Abbott	05260-05	Isoflurane Inhalation anesthesia
Small animal anesthesia system	Harvard apparatus	726419	Complete Isoflurane Table-Top System
Chlorophyll-free mouse food	Ssniff	E15051	low chlorophyll / low fluorescence food
OsteoSense 750EX	PerkinElmer	NEV10053EX	Animal FMT contrast agent
Portex Fine Bore Polythene Tubing	Smith medical	800/100/120	Tube for injection catheter
Sterican 30g	BBraun	4656300	Hypodermic needle for catheter
Imeron	Altana pharma	INLA F.1/0203/3.5337.69	CT contrast agent for the phantom inclusions
Agarose	Sigma	90-12-36-6	Agarose for phantom production
TiO ₂	Applichem	A1900,1000	Titanium oxide as phantom scattering agent
Trypan blue	Fluka	93595	Trypan blue to adjust phantom light propagation
Cy7	Lumiprobe	15020	Fluorochrome for the phantom inclusions
Lipovenoes 20%	Fresenius Kabi	3094740	Lipid emulsion, scattering agent for FMT contrast agents
Definiens Developer XD Server	Definiens AG	Server XD	Software platform for automated segmentation
Imalytics Preclinical	ExMI/Gremse-IT	Version 2.0.1	Software for image fusion, reconstruction and analysis
NVIDIA Geforce Titan	Asus	GTXITAN6GD5	High end computer graphics card, 6GB Memory