

Materials List for:

Combined *In vivo* Optical and μ CT Imaging to Monitor Infection, Inflammation, and Bone Anatomy in an Orthopaedic Implant Infection in Mice

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Materials

Name	Company	Catalog Number	Comments
Xen36 bioluminescent Staphylococcus aureus strain	PerkinElmer		Bioluminescent Staphylococcus aureus strain derived from ATCC 49525 (Wright), a clinical isolate from a bacteremia patient
Tryptic soy broth	BD Biosciences, Franklin Lakes, NJ	211825	
Bacto Soy Agar	BD Biosciences, Franklin Lakes, NJ	214010	
LysEGFP knockin mouse strain			Not commercially available. This strain contains a knockin of enhanced green fluorescence protein (EGFP) into the lysozyme M gene
Betadine	Purdue Products, Stamford, CT		
Kirschner-wire (titanium, 0.8 mm diameter)	Synthes, West Chester, PA	492.08	
Wire Cutter - Duracut T.C.	H&H Company, Ontario, Canada	83-7002	
Isoflurane	Baxter, Deerfield, IL	118718	
Vicryl 5-0 sutures (P-3 Reverse cutting)	Ethicon, Summerville, NJ. Purchased through VWR International.	95056-936	
Sustained-release Buprenorphine (5 ml - 1 mg/ml)	Zoopharm, Windsor, CO		analgesic
IVIS Spectrum Imaging System	PerkinElmer, Hopkinton, MA		optical in vivo imaging system
Quantum FX in vivo μCT system	PerkinElmer, Hopkinton, MA		μ CT in vivo imaging system
IVIS SpectrumCT Imaging System	PerkinElmer, Hopkinton, MA		combined optical and μ CT in vivo imaging system
Living Image Software	PerkinElmer, Hopkinton, MA		Image analysis software for in vivo optical imaging