

Materials List for:

Stereotactic Intracranial Implantation and *In vivo* Bioluminescent Imaging of Tumor Xenografts in a Mouse Model System of Glioblastoma Multiforme

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Materials

Name	Company	Catalog Number	Comments
Digital Just for Mouse Stereotaxic Instrument	Stoelting	51730D	Stereotactic platform for mouse implantation
Ketamine/xylazine			Injectable anesthesia
Puralube Vet Ointment (ophthalmic)	Amazon.com		To prevent drying of the mouse's eyes
drill holder for the stereotactic platform	Stoelting	51681	
Micromotor Electric Drill	Stoelting	51449	For drilling through the skull
.45 mm carbide drill bit	Stoelting	514551	
Sterile cotton swabs	Fisher Scientific	23-400-100	
Glass bead dry sterilizer (Germinator 500)	Braintree Scientific	GER-5287	To sterilize metal surgical instruments
Mouse rectal probe	Braintree Scientific	RET-3-ISO	Compatible with the temperature controller
Temperature Controller (TCAT-2DF)	Harvard Apparatus	727561	Temperature controller to maintain animal's temperature during surgery
Small heating plate	Harvard Apparatus	727617	For use with temperature controller to warm mouse during surgery. The heating plate fits under the mouse on the stereotaxic platform.
Disposable Scalpels	BD Bard-Parker	2015-11	#10 scalpel
10 microliter syringe	Hamilton	7635-01	For injection of tumor cells
30 gauge needles, 1" long, with flat point	Hamilton	Various	Must be compatible with the 10 µl syringe
Nanomite Programmable Syringe Pump	Harvard Apparatus	704507	Digital motorized syringe injector for stereotaxic device
Cellulose sterile surgical spear sponges	Ultracell	40410	To dry the surgical field
Bone wax	Ethicon	W31	To seal the burr hole
Tissumend II synthetic absorbable tissue adhesive	Veterinary Products Laboratories	3002931	To seal the incision
Hot water pump with warming pad	Gaymar	TP-650	Warms mice in post-operative period
IVIS Lumina II	Caliper Life Science		Bioluminescent imager
D-Luciferin potassium salt	Gold Biotechnology	LUCK-1	Luciferin for bioluminescent imaging