

Materials List for

Adenocarcinoma Engraftment: A Method to Implant Cancer Cells into the Murine Lungs

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URL: <https://www.jove.com/video/20230>

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Materials

Name	Company	Catalog Number	Comments
Rodent Intubation stand	Braintree Scientific	RIS-100	Recommended stand for intratracheal injection
Bleomycin	Sigma	B5507-15UN	CAUTION Health hazard GHS08
Exel Catheter 24G	Fisher	1484121	Remove needle. For intratracheal injection
Ketamine (Ketaset inl 100 mg/mL C3N 10 mL)	Butler Schein	56344	To anesthetize mice
Xylazine	Butler Schein	33198	To anesthetize mice
Syringe 1ml	BD / Fisher	14-823-434	For intraperitoneal injections
Puralube Veterinary Ophthalmic Ointment	BUTLER ANIMAL HEALTH COMPANY LLC	8897	To prevent eye dryness while under anesthesia
MI-150 ILLUMINATOR 150W MI-150	DOLAN-JENNER INDUSTRIES	MI-150 / EEG2823M	To illuminate and visualize trachea
Graefe Forceps, 2.75 (7 cm) long serrat	Roboz	RS-5111	For intratracheal injection
Flask T/C 75cm sq canted neck, blue cap	Fisher / Corning	353135	
Phosphate Buffered Saline	Life Technologies	14190-144	
0.25% Trypsin-EDTA	Life Technologies	25200-056	
Pipet-Lite Pipette, Unv. SL-200XLS +	METTLER-TOLEDO INTERNATIONAL	17014411	
Countess Automated Cell Counter	Life Technologies	AMQAX1000	
D-Luciferin powder	Perkin Elmer Health Sciences Inc	122799	For luminescent imaging. Reconstitute powder with PBS for a working concentration of 15mg/mL. Protect from Light
IVIS Spectrum Xenogen Bioluminescence	Perkin Elmer Health Sciences Inc	124262	For in vivo bioluminescence imaging
B6129SF1/J mice	Jackson Laboratories	101043	
NIH-H2030 cells	ATCC	CRL-5914	
PC9 cells	Nguyen DX et al. Cell. 2009;138:51–62		
Living image software	Perkin Elmer Health Sciences Inc	128113	For in vivo bioluminescence analysis