

# Low-Dose Gamma Radiation Sterilization for Decellularized Tracheal Grafts

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jove.com/video/64432

## Materials

Name	Company	Catalog Number	Comments
6-0 nylon monofilament suture	Monosoft. Covidien; Mansfield, MA, USA	SN-5698G	
Amphotericin B 5%	Gibco Thermo Fisher Scientific; Waltham, MA USA	15290018	
Bioanalyzer	Agilent, Santa Clara, CA, USA	G2939BA	
Buprenorphine	Buprex. Reckitt Benckiser Healthcare; Hull, Reino Unido	N02AE01	
Compression desktop UTM	Microtest, Madrid, Spain	EM1/10/FR	
Cryostate	Leyca CM3059, Leyca Biosystems, Wetzlar, Alemania	CM3059	
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich; MO, USA	D2650	
DMEM	Thermo Fisher Scientific; Waltham, MA, USA	11965084	
DNA extraction kit	DNeasy extraction kit Quiagen, Hilden, Germany	4368814	
Enrofloxacin, 2.5%	Boehringer Ingelheim, Ingelheim am Rhein, Germany	0035-0002	
Fetal bovine serum (FBS)	GE Healthcare Hyclone; Madrid, Spain	SH20898.03IR	
Fluorescence microscope	Leyca DM2500 (Leica, Wetzlar, Germany)	DM2500??	
Freezing Container	Mr Frosty. Thermo Fisher; Madrid, Spain	5100-0001	
Isoflurane	Isoflo; Proyma Ganadera; Ciudad Real, Spain	8.43603E+12	
Ketamin	Imalgene. Merial; Toulouse, Francia	BOE127823	

Linear accelerator	"True Beam". Varian, Palo Alto, California, USA	H191001	
Magnetic stirrer	Orbital Shaker PSU-10i. Biosan; Riga, Letonia	BS-010144-AAN	
Meloxicam 5 mg/ml	Boehringer Ingelheim, Ingelheim am Rhein, Germany	6283-MV	
Penicillin-streptomycin 5%	Gibco Thermo Fisher Scientific; Waltham, MA USA	15140122	
Pentobarbital sodium	Dolethal. Vetoquinol; Madrid, España	3.60587E+12	
Phosphate buffered saline (PBS)	Sigma-Aldrich; MO, USA	P2272	
Propofol	Propofol Lipuro. B. Braun Melsungen AG; Melsungen, Alemania	G 151030	
Proteinase K	Gibco Thermo Fisher Scientific; Waltham, Massachussetts, USA	S3020	
PVC hollow tubes	Cristallo Extra; FITT, Sandrigo, Italy	hhdddyZ	
PVC stent	Argyle™ Medtronic; Istanbul, Turkey	019 5305 1	
R software, Version 3.5.3 R Core	R Foundation for Statistical Computing	R 3.5.3	
Sodium dodecyl sulfate (SDS)	Sigma-Aldrich; MO, USA	8,17,034	
Spectrophotometer	Nanodrop, Life Technologies; Isogen Life Science. Utrech, Netherlands	ND-ONEC-W	
Spreadsheet	Microsoft Excel for Mac, Version 16.23, Redmond, WA, USA	2864993241	
Traction Universal Testing Machine	Testing Machines, Veenendaal, Netherlands	84-01	
UTM Software	TestWorks 4, MTS Systems Corporation, Eden Prairie, MN, USA	100-093-627 F	
VECTASHIELD Mounting Medium	Vector Labs, Burlingame; CA; USA	H-1000-10	
Xylacine	Xilagesic. Calier; Barcelona, España	20102-003	