

Materials List for:

# Subcutaneous Neurotrophin 4 Infusion Using Osmotic Pumps or Direct Muscular Injection Enhances Aging Rat Laryngeal Muscles

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URL: <https://www.jove.com/video/55837>

DOI: [doi:10.3791/55837](https://doi.org/10.3791/55837)

## Materials

Name	Company	Catalog Number	Comments
Neurotrophin 4	Pepero Tech	450-04	200 ng in 50 µL
Alzet Osmotic Pump	DURECT Corporation	2001D	
30 ° endoscope	Stoltz	61029D	
50 mm 30 gauge 100-µL syringe	Hamilton	84850 and 201812	
saline (sodium chloride solution)	Sigma-Aldrich	S8776	
ketamine hydrochloride	Henry Schein	56344	
xylazine hydrochloride	Henry Schein	33198	
25 G 5/8 needle	Becton-Dickinson	305901	
1 mL syringe	Becton-Dickinson	309659	
ophthalmic ointment	Henry Schein	8897	
clippers	Oster	44-018	
ethanol	Decon	2716	
iodine (Betadine)	Purdue Pharma L.P.	606404	
heating pad	Sunbeam	731-5	
5-0 nylon suture thread	AD Surgical	PMN-518R6	
crile hemostat	Fine Science Tools	13005-14	
delicate suture tying forceps	Fine Science Tools	11063-07	
meloxicam	Henry Schein	49756	
carprofen	Merritt Veterinary Supplies	148700	
antibiotic ointment	Henry Schein	57110	
acepromizine Aceproject	Henry Schein	3845	
isoflurane Isothesia	Henry Schein	50033	
induction box (anesthetizing box)	Harvard Apparatus	50-0116	
oxygen compressed tank	Scott Gross	UN1072	
plexiglas platform	Small Parts Inc (Amazon)		
rubber tipped forceps	Fine science tools rubber	11075-00	
liquid rubber for forceps above	Lowe's	42518	
plastic spectula (BD syringe cut to length)	Becton-Dickinson	309659	
halogen light source rhino-laryngeal stroboscope	Kay-Pentax	RLS 9100 B	
video recorder	Kay-Pentax		
sucrose	Sigma-Aldrich	S0389-500G	
phosphate buffered saline	Sigma-Aldrich	P4417-100TAB	

cryostat Mictotom HM525	Thermo Scientific	HM 525	
Gill 1 hematoxylin	VWR	10143-142	
Shandon eosin-Y alcoholic	Thermo Fisher Scientific	6766007	
anti-sodium channel Nav1.5 antibody produced in rabbit	Sigma-Aldrich	S0819	
Texas red-X phalloidin	Sigma-Aldrich	T7471	
alpha- bungarotoxin alexa fluor 488 conjugate	Thermo Fisher Scientific	B-13422	
Small animal anaesthesia machine	Smiths Medical	CDS 9000	