

Materials List for

Establishment of a Murine Pulp Exposure Model with a Novel Mouth-Gag for Pulpitis Research

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Materials

Name	Company	Catalog Number	Comments
Animal			
C57/B6J mice	Gempharmatech Experimental Animals Company	C57/B6J	For the establishment of pulp exposure
Equipment			
1 mL syringe	Chengdu Xinjin Shifeng Medical Apparatus & Instruments Co. LTD.	SB1-074(IV)	Apply in drug injection.
8# C+ file	Readysteel	0010047	Apply in exposing the roof of pulp chamber.
Anesthesia Mix solution			10% ketamine hydrochloride+ 5% xylazine + 85% sterile isotonic saline.
DAPI Staining Solution	Beyotime	C1005	Apply in immunofluorescence staining for counter-staining of nucleus.
Dental high-speed dental handpiece	Jing yuan electronic commerce technology	WJ-422	Apply in pulp exposure.
Heavy wire cutter	Jirui Medical Instrument Co., Ltd.	none	Apply inarc cutting.
Hematoxylin and Eosin Stain kit	Biosharp	BL700B	For the histological analysis of the slides.
IL-6 antibody	Novus	NBP2-89149	Apply in immunofluorescence staining to detect the inflammation of the dental pulp.
Ketamine(Ketamine hydrochloride)	Vet One, Boise, Idaho, USA	C3N VT1	100mg/kg, IP. Apply in nesthetization.
Medical tap	3M	1530	Apply in mice immobilization.
Orthodontic arch wire	Shanghai Wei Rong Medical Apparatus Co. LTD.	K417	Diameter of 8µm
Round dental burr (0.6 mm)	Shofu global	072208	Apply in removing enamel and shallow layer of dentin.
Young loop bending plier	Jirui Medical Instrument Co., Ltd.	none	Apply in arc bending.