

In Vivo Methods to Assess Retinal Ganglion Cell and Optic Nerve Function and Structure in Large Animals

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Materials

Name	Company	Catalog Number	Comments
47.6 x 26.8 cm monitors	DELL Inc.	E2216HV	The visual stimuli of contrast-reversal black-white checkerboards were displayed on screens
6.0 mm tracheal tube	Henan Tuoren Medical Device Co., Ltd	PVC 6.0	ensure the airway
alligator clip			
atropine	Guangdong Jieyang Longyang Animal pharmaceutical Co.,Ltd.		reduce bronchial secretion and protect heart from vagal nerve activation
Carbomer Eye Gel	Fabrik GmbH Subsidiary of Bausch & Lomb		moisten the cornea and stabilize the recording electrodes
ERG-Jet recording electrodes	Roland Consult Stasche&Finger GmbH	2300 La Chaux-De-Fonds	ERG recording
eye speculum	Shanghai Jinzhong Medical Device Co., Ltd	ZYD020	open palpebral fissure
Heidelberg Spectralis OCT system	Heidelberg Engineering		OCT system
Imaging			(https://www.heidelbergengineering.com/media/e-learning/Totara-US/files/pdf-tutorials/2238-003_Spectralis-Training-Guide.pdf)
isoflurane	RWD Life Science Co., Ltd	R510-22	isoflurane anesthesia
male Saanen goats	Caimu Livestock Company, country (Hangzhou, China)		The male Saanen goats, aged from 4 to 6 months with weight of 19–23 kg
needle electrode	Roland Consult Stasche&Finger GmbH	U51-426-G-D	use for FVEP ground electrode and PERG reference electrodes
periphery venous catheter intravenously	BD shanghai Medical Device Co., Ltd	383019	intravenous access for atropine and propofol
propofol	Xian Lipont Enterprise Union Management Co.,Ltd.		induce Isoflurane anesthesia in goat
Tropicamide Phenylephrine Eye Drops	SANTEN OY, Japan		5% tropicamide and 5% phenylephrine hydrochloride

visual electrophysiology device	Gotec Co., Ltd	GT-2008V-III	use for FVEP & PERG
xylazine	Huamu Animal Health Products Co., Ltd.		xylazine anesthesia: intramuscular injection of xylazine 3mg/kg
zoletil50	Virbac		induce Isoflurane anesthesia in monkey