

Materials List for:

Assessment of Memory Function in Pilocarpine-induced Epileptic Mice

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Materials

Name	Company	Catalog Number	Comments
1 ml syringe	Sung-shim		Use with the 26 or 30 gauge needle
70% Ethanol	Duksan	UN1170	Spray to clean the box and objects
black curtain			For avoiding unnecessary visual cues
Cresyl violet	Sigma	C5042	For Cresyl violet staining
cryotome	Leica	E21040041	For tissue sectioning
double-sided sticky tape			For the firm placement of the objects
DPX mounting medium	Sigma	06522	
ethanol series	Duksan	UN1170	Make 100%, 95%, 90%, 80%, 70% ethanol solutions
floor plate with narrow grid patterns	Leehyo-bio		Behavioral experiment equipment, plate size: 42.5 x 42.5 x 0.5 cm, grid size: 2.75 x 2.75 cm
floor plate with wide grid patterns	Leehyo-bio		Behavioral experiment equipment, plate size: 42.5 x 42.5 x 0.5 cm, grid size: 5.5 x 5.5 cm
illuminometer	TES Electrical Electronic Corp.	1334A	For the measurement of the room lighting (60 Lux)
Intensive care unit	Thermocare	#W-1	
ketamine hydrochloride	Yuhan	7003	Use to anesthetize the mouse for transcardial perfusion
LED lamp	Lungo	P13A-0422-WW-04	Lighting for the behavioral test room
objects			Rubber doll, 50 ml plastic tube, glass Coplin jar, plastic T-flask, glass bottle
open field box	Leehyo-bio		Behavioral experiment equipment, size: 44 x 44 x 31 cm
paper towel	Yuhan-Kimberly	47201	Use to dry open field box and objects
paraformaldehyde	Merck Millipore	104005	Make 4% solution
pilocarpine hydrochloride	Sigma	P6503	
ruler			Use to locate the objects in the open field box
scopolamine methyl nitrate	Sigma	S2250	Make 10X stock
Smart system 3.0	Panlab		Video tracking system
stopwatch	Junso	JS-307	For the measurement of explorative activities of mice

sucrose	Sigma	S9378	For cryoprotection of tissue sections
terbutaline hemisulfate salt	Sigma	T2528	Make 10X stock
video camera (CCD camera)	Vision	VCE56HQ-12	Place the camera directly overhead of the open field box
xylazine (Rompun)	Bayer korea	KR10381	Use to anesthetize the mouse for transcardial perfusion
xylene	Duksan	UN1307	For Cresyl violet staining