

Materials List for:

A Rat Model of Central Fatigue Using a Modified Multiple Platform Method

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Materials

Name	Company	Catalog Number	Comments
multiple platform sleep deprivation water tank	Customization,it is provided by the neuroimmunological laboratory of Beijing University of Chinese Medicine		110cm x 60cm x 40cm. There are 15 plastic small platforms at the bottom. The small platform is 6.5cm in diameter and 8cm high
Wistar rats	Beijing Weitong Lihua Experimental Animal Technology Company	license number SYXK (Beijing) 2016-0011	Use 32 Wistar healthy male rats ,8 week old (200-210 g)
Agilent 1100LC high performance liquid chromatograph	Agilent	G1379A, G1311A, G1313A , G1316A	G1379A, G1311A type chromatographic pump, G1313A automatic sampler, G1316A column temperature box
DECADE II SDC electrochemical detector	Dutch ANTEC company		glassy carbon electrode, Ag/AgCl reference electrode, workstations (Clarity CHS)
Biofuge Stratos high-speed refrigeration centrifuge	HERAEUS		
VCX130 ultrasonic fracturing instrument	SONICS		
ACS-ZEAS electronic scale	Phos technology development, Beijing.		The weight of the weighing rats can be accurate to 0.1g.
Open Field Box	Customization,it is provided by the neuroimmunological laboratory of Beijing University of Chinese Medicine		wooden box of open field 100 cm by 100 cm x 40 cm, inside wall and bottom as the gray.The bottom is divided into 25 equal area squares, each of which is 20cm x 20cm, and the 16 grids along the outer wall are the external ones, and the other 9 grids are central.The camera is mounted above the median.
Elevated Plus-maze	Beijing zhongshi dechuang technology development co. LTD.		The open arms and close arms of the cross are composed of 30cm x 5cm x 15cm, and the central area is 5cm x 5cm, with a camera mounted above the center and 45cm high.
rat swimming bucket.	Zhenhua biological instrument equipment co., LTD. Anhui,China.		The volume of plastic drum is 70cm x 30cm x 110cm, which is used for swimming in rats.
Thermometer	Shiya instrument co., LTD., changzhou,China.		Control water temperature
Small water pump	Xincheng technology co., LTD., chengdu,China.		Used for water tank and swimming behavior.

Ethovition3.0 behavioral software.	Nulduis, Netherlands		Measurement analysis of rat behavior videos.
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