

Materials List for

# Rat Model of Closed-Head Mild Traumatic Injury and its Validation

Yishu Liu<sup>\*1</sup>, Tingting Wang<sup>\*1</sup>, Changquan Zhang<sup>1</sup>, Jifeng Cai<sup>1</sup>

<sup>1</sup>Department of Forensic Science, School of Basic Medical Science, Central South University

\*These authors contributed equally

## Corresponding Authors

**Changquan Zhang**

zcq1105@163.com

**Jifeng Cai**

cjf\_jifeng@163.com

## Citation

Liu, Y., Wang, T., Zhang, C., Cai, J. Rat Model of Closed-Head Mild Traumatic Injury and its Validation. *J. Vis. Exp.* (199), e65849, doi:10.3791/65849 (2023).

## Date Published

September 22, 2023

## DOI

10.3791/65849

## URL

jove.com/video/65849

## Materials

Name	Company	Catalog Number	Comments
Acrylic box	In-house	N/A	15 cm x 22 cm x 43 cm
Anesthesia Machine	RWD Life Science Co.	R540 Mice & Rat Animal Anesthesia Machine	
Helmet	In-house	N/A	Stainless-steel disk measuring 10 mm in diameter and 3 mm in thickness
Morris water maze	RWD Life Science Co.		Diameter 150 cm, height 50 cm, platform diameter 35 cm
Open field	RWD Life Science Co.	63007	Width 100 cm, height 40 cm
Panlab SMART V3.0	RWD Life Science Co.	SMART v3.0	
Perforated weight	In-house	N/A	Weight of 550 g and diameter of 18 mm
Pillow	In-house	N/A	Wedge-shaped sponge to place beneath the rat's head