

Analysis of Electrocardiograms and Behavior in Mice from Pregnancy to Lactation Period

Kie Shimizu¹, Sayaka Kuze-Arata¹, Takefumi Kikusui¹, Kazutaka Mogi¹

¹Department of Animal Science and Biotechnology, Azabu University

Corresponding Author

Kazutaka Mogi

mogik@azabu-u.ac.jp

Citation

Shimizu, K., Kuze-Arata, S., Kikusui, T., Mogi, K. Analysis of Electrocardiograms and Behavior in Mice from Pregnancy to Lactation Period. *J. Vis. Exp.* (206), e66498, doi:10.3791/66498 (2024).

Date Published

April 5, 2024

DOI

10.3791/66498

URL

jove.com/video/66498

Materials

Name	Company	Catalog Number	Comments
24-h repeating timer	Panasonic	WH3311BP	
Anesthesia box	Natsume Seisakusho Co	KN-1010	W110×D110×H110mm
Anesthesia mask	Natsume Seisakusho Co	KN-1019-1	
Anesthetic machine	Natsume Seisakusho Co	KN-1071-E	
C57BL6/J mice	Clea Japan, Inc		Pregnancy mouse at 14 day
Clip light	Yazawa corporation	CLX60X02WH	
Configurator System	Adinstuments	TR190	
drive recorder	Transcend	TS-DP250A-32G	
Food holder	Clea Japan, Inc	CL-2802	
Isoflurane	FujiFILM	099-06571	
LabChart Pro V8	Adinstuments	MLU260/8	
LabChart8	Adinstuments	MLS060/8	
Mouse Biopotential Telemeter	Adinstuments	MT10B	
Needle 18 G 1 1/2	Terumo	NN-1838R	
Panel heater	SANKO	4976285145407	
PowerLab 4/26	Adinstuments	PL2604	
Recordable computer	Mouse computer	mouse K7-H	
red light bulb	ELPA	LDG1R-G-GWP254	
Rubber mask	Natsume Seisakusho Co	KN-1019-M	
SD card (256GB)	Transcend	TS256GUSD350V	It can record approximately 24 h
Silk suture 0.31 mm	Natsume Seisakusho Co	DMS2101	
Suture needle 13 mm	Natsume Seisakusho Co	C-24-540-NO.0	
Suture needle 7 mm	Natsume Seisakusho Co	C-24-540-NO.0000	
tBase	Adinstuments	MT110	