

Materials List for:

Behavioral Phenotyping of Murine Disease Models with the Integrated Behavioral Station (INBEST)

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Materials

Name	Company	Catalog Number	Comments
Power control interface operating package	Med Associates Inc.	MED-SYST-8	Interface box and PCI card that manage all A/D data inputs and outputs
Stimulus light	Med Associates Inc.	ENV-221M	28 V DC, 100 mA, 2.5 cm diameter light (for presentation of a conditioned stimulus)
Head entry detector	Med Associates Inc.	ENV-254-CB	Permits head entry detection into the pellet receptacle
Photobeam lickometer	Med Associates Inc.	ENV-351W	Infrared sensor system for detecting beam interception by snout
Food pellets	Bio-Serv	F0163	Dustless precisions food pellets (20 mg rodent grain-based diet)
Food dispenser	Med Associates Inc.	ENV-203-20	Automated food dispensing system consisting of elevated plastic container and dispensing tube
Food receptacle	Med Associates Inc.	ENV-303R2W	Infrared sensitive base to signal when food pellet is dispensed or collected
Climbing mesh	Med Associates Inc.	CT-Climbing mesh	Durable metal rungs, dimensions
Med PC IV software	Med Associates Inc.	SOF-735	Integrates data acquisition from all electronic devices
MPC2XL v1.4	Med Associates Inc.	SOF-731	Raw data transfer utility
Soft CR Pro v1.05	Med Associates Inc.	SOF-722	Remote online monitoring software
Running wheel	Med Associates Inc.	CT-MSUB-ENV-3042-X1	Activity wheel for mice
Digital counter	Med Associates Inc.	ESUB-ENV-3000	LCD counter (4 counts = 1 revolution = 54.6 cm length)
Piccolo Diligent frame grabber	Euresys		High-resolution PCI video capture card
Ethovision XT 8.5	Noldus Information Technology		Video-tracking software
Camera	Panasonic	WV-BP334	Digital, low-lux video camera suspended from a custom-made metal stand
Video Splitter	American Dynamics	ADQUAD87	Integrates and digitizes inputs from 4 video cameras