

Materials List for:

Assessment of Spontaneous Alternation, Novel Object Recognition and Limb Clasping in Transgenic Mouse Models of Amyloid- β and Tau Neuropathology

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URL: <https://www.jove.com/video/55523>

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Materials

Name	Company	Catalog Number	Comments
TopsCan Lite-High Throughput	Cleversys		Automated behavioral analysis. Includes cameras and video acquisition system, laptop.
ObjectScan	Cleversys		Software module for accurate object exploration quantification
Open field for mouse	Cleversys	CSI-OF-M	Arena for novel object recognition
Y-maze for mouse	Custom		Arms: 30 cm long, 10 cm wide, 20 cm high walls, placed 120 deg apart.
Camera mount for open field	Custom	Custom	76 cm tall, 115 cm wide, cameras mounted @ 30 cm in from either side. Two mounts, each covers two boxes.
Camera mount for Y-maze	Custom	Custom	76 cm tall, 115 cm wide, cameras mounted @ 30cm in from either side. One mount covers two mazes.
Marbles	Inperial Toy	8565	Standard (15.5 mm Dia) glass marbles.
Dice	Cardinal Industries	770	Standard (0.650 inch) white dice with black dots.
LOCTITE Fun-Tak	Henkel	B018A3AG0W	Standard blue sticky tak
EtOH	Nexeo Solutions	82452	100% Ethanol Diluted to 70% using distilled Water
dH ₂ O	Tulpenhocken Spring Water Co.	-	PA D.E.P. #31, NJ D.O.H. #0049, NYSHD Cert. #320
Paper towels	Procter & Gamble	B019DM86LA	Bounty, White
Handheld video camera	Apple, Inc.	MKV92LL/A	Acquisition of Limb clasping video, Iphone 6S Plus (or functional equivalent).
Gloves	SafePOINT, L.L.C.	GL640-2	Standard, Powder free Latex Gloves, Medium
Light meter	Dr. Meter	LX1330B	Lighting @ the bottom of Open Field= 35 LUX, Lighting @ bottom of Y-Maze= 32 LUX
Bleach germicidal wipes	Clorox		Sterilization of equipment during & after use