

Materials List for:

Behavioral Assessment of the Aging Mouse Vestibular System

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Materials

Name	Company	Catalog Number	Comments
Rotarod	IITC Life Science Inc.	#755	"Rat dowels" = 70 mm diameter. Do not allow ethanol to contact perspex.
iPhone	Apple		Can use any type of camera. Velcro fixed to the back surface for attachment to the the 3D articulated arm.
3D articulated arm	Fisso/Baitella	Classic 3300-28	Any type of stable vertical stand would be adequate. Velcro is fixed to the apical end of the arm for iPhone attachment.
Wooden walking beam: 1 m long strip of smooth wood with a circular cross-section of 14 mm diameter			A range of diameters and cross section shapes can be used to suit experimental parameters
Wooden goal box (130 x 140 x 220 mm) made from 11 mm thick boards			
Support stand made of 41 x 41 mm beams: 2 vertical beams 525 and 590 mm from ground at the start and goal ends respectively; 803 mm horizontal beam that runs along the ground directly under the walking beam; two 20 mm long beams act as "feet", joining the horizontal and vertical beams at each end; a 21 x 21 x 36 mm block hewn at the apical end of the "starting" vertical beam; a 13 x 13 mm aperture cut out of the center of this block, forming a tunnel which runs perpendicular to the walking beam.			Brace all joins with small steel brackets.
Black paint (water based)	Handycan	Acrylic Matt Black	2-3 coats for all wooden surfaces of the balance beam apparatus
Clear finish	Wattle Estapol	Polyurethane Matt	Single coat for all beams. Double coat for all other surfaces of the balance beam apparatus
Foam, packaging material			To cushion any falls from the balance beam
70% Ethanol, paper towels			Clean beam and goal box between each animal.
Gauze pads/paper towels			To line the floor of the goal box
Mouse house (from home cage)			