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Materials List for:

Mouse Short- and Long-term Locomotor Activity Analyzed by Video Tracking Software

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Materials

Name	Company	Catalog Number	Comments
Video camera	Sony	HDR-XR500V	Other, similar video cameras may work as well. The file storage format (codec/container) must be compatible with the VTS used. It is recommended when initially establishing a VTS to choose the VTS first and work with the vendor in choosing an appropriate camera, especially with respects to file format and video resolution compatibility.
Opaque cage dividers			Custom fabricated based on specific cage dimensions. To facilitate image analysis, dividers should be of a similar color to the cage bedding. Structurally fixed dividers are preferrable because they speed setup between multi-mice experiments, such as those involving repeated measurements. Sturdy transportable cage dividers can be constructed of 1/2 inch opaque plastic and joined via a series of cross laps.
Light or Dark bedding (opposite of mouse coat color)			Available from several laboratory animal supply distributors, depending on location.
Clear Plexiglas cage tops			Custom fabricated based on cage dimensions.
Automated video tracking software (EthoVision XT 7)	Noldus Information Technology		A variety of VTS manufacturers exist, use of other software may suffice.
PC	Dell Inc.		See VTS software providers minimum PC .requirements
White noise generator	Dohm	DS	A variety of white noise generators are available, depending on need.
Brooder clamp lights with red light bulbs			Several sizes and styles available. Number required depends on room size/lighting needs. Do not exceed 125 lumens in the testing room.
Lab bench or butcher paper			Paper should match or be very similar in color to the cage bedding.