

Materials List for:

A Simple and Inexpensive Method for Determining Cold Sensitivity and Adaptation in Mice

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Materials

Name	Company	Catalog Number	Comments
T-type thermocouple probe	Physitemp	IT-24p	Used to measure the surface temperature of the glass (http://www.physitemp.com/products/probesandwire/)
Glass plate	Local glass company (in St. Louis, Stemmerich Inc)		We use pyrex glass (borosilicate float). Our lab generally uses 1/4", but 3/16" and 1/8" are also useful
Thermal Data logger	Extech	EA15	Thermlogger to keep track of glass temperature (http://www.extech.com/instruments/product.asp?catid=64&prodid=408)
3 ml Syringe	BD	309657	The top is cut off, and dry ice is compressed in the syringe to generate a cold probe
Computer	If using Extech logger, any Pckill work		
Aluminum boxes	Washington University in St. Louis machine shop		boxes are 3' long, 4.5" wide, and 3" tall with a sealed lid. There is a 1/2" hole drilled into one short side of each box, near the bottom. These holes are filled with rubber stopcocks when the boxes are filled with wet ice or hot water.
Heated water circulator	VWR		Any water circulator model with a pump will work
21 G needle	BD	305165	The exact needle size is not important
Hand timer			Any hand timer will work
Mirror			Any flat mirror will work