Materials List for:

Manipulation of Color Patterns in Jumping Spiders for Use in Behavioral Experiments

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Materials

Name	Company	Catalog Number	Comments
CO2 tank	AirGas (Radnor, PA)	#CD 50	to anesthesize spiders
Enamel paint thinner	Testors (Vernon Hills, IL)	75611792569	to thin enamel paint
Flat enamel paint	Testors (Vernon Hills, IL)	red: 075611115009, black: 075611114903, white: 075611116808	can be thinned with enamel paint thinner
Light microscope	Zeiss (Jena, Germany)	stemi 508	to paint small areas with precision
Light microscope camera	Zeiss (Jena, Germany)	Axiocam 105 color	to take picture before and after manipulation for documentation
Light microscope camera software	Zeiss (Jena, Germany)	Zen 2 blue edition	to process pictures taken before and after manipulation
Liquid liner eyeliner, shade "Perversion"	Urban Decay (Costa Mesa, CA)	(discontinued)	non-waterproof eyeliner which can be thinned with water; eyeliner 2
MegaLiner liquid eyeliner, black	WetnWild (Los Angeles, CA)	SKU# 871A	non-waterproof eyeliner which can be thinned with water; eyeliner 1
Micro brushes	MicroMark (Berkeley Heights, NJ)	#84648	to allow precise painting of small areas
Non-hardening modelling clay	Van Aken International Claytoon (North Charleston, SC)	18165	to stick small nail or insect pin in and flexily adjust their angles
Small nail or insect mounting pins	BioQuip (Rancho Dominguez, CA)	#1208B7	to glue spiders on as well as moving away spider's appendages in front of the area to paint
Small plastic containers such as the lids of snap-cap insect collection vials	BioQuip (Rancho Dominguez, CA)	#8912	to mix paint and thinner to the right consistency
Small syringe	Fisher Scientific	1482910F	to transfer small amount of enamel thinner
Spectralon white standard	Labsphere Inc. (North Sutton, NH)	WS-1-SL	to measure spectral properties of colors
UV-VIS spectrophotometer	Ocean Optics (Dunedin, FL)	USB 2000 (spectrophotometer) with PX-2 (light source)	to measure spectral properties of colors
Water soluble school glue	Elmer's (High Point, NC)	#E304	to mount the spiders onto a nail/pin
Wood toothpicks	Up&Up, Target Corporation (Minneapolis, MN)	#253-05-0125	to transfer drops of enamel paint

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