

Materials List for:

Radio Frequency Identification and Motion-sensitive Video Efficiently Automate Recording of Unrewarded Choice Behavior by Bumblebees

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Materials

Name	Company	Catalog Number	Comments
Miniaturized mic3 tags	Microsensys	mic3 TAG 64 bit RO	RFID tags to glue to bee
RFID reader 2k6 head	Microsensys	2k6	RFID readers built into artificial flowers
IP camcorders	Vivotek	IP8161	Motion-sensitive video recorders
Opalith Plattchen number tags and non-toxic glue	Beeworks.com	n/a	Number tags to glue to bees
Bumblebee Colony for Research	Koppert Canada		
Artificial flowers	N/A		Developed by campus biology shop
Artificial flower stand	N/A		Developed by campus biology shop
Flight room	N/A		Developed by campus biology shop
Laptop with Windows	Generic hardware / Microsoft software		Used to download RFID data
RS 232 to USB converter	Generic		Connect RFID reader to computer
Desktop	IBM		Used to transmit video data
Second NIC	Generic	10/100M NIC PCI	Used to transmit video data
Network hub	Generic	4-port	Used to transmit video data
High precision tweezer	SPI		Used to glue number and RFID tags to bees
Sugar	Generic		Used to mix with water to create sugar-water
Pollen	Any local apiarist		Fed to bumblebees
Marking cage with plunger	Beeworks.com		Aids tagging process
Honey	Generic		Used to mix with water to create pollen paste
Bake clay	Sculpey		Stimulus for RFID
Clay shaping tools	Generic		Stimulus for RFID
White paper	Generic		Stimulus for Video
Laser printer	Generic		Stimulus for Video
Wood	Generic		Stimulus for Video -- attachment clip