

Materials List for:

Neuropharmacological Manipulation of Restrained and Free-flying Honey Bees, *Apis mellifera*

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Materials

Name	Company	Catalog Number	Comments
Sucrose	Sigma-Aldrich	S8501	Any supplier will do
Sodium Chloride	Sigma-Aldrich	S7653	
Potassium Chloride	Sigma-Aldrich	P9333	
Magnesium Chloride hexahydrate	Sigma-Aldrich	M2670	
Calcium Chloride dihydrate	Sigma-Aldrich	C8106	
Dextrose monohydrate	Sigma-Aldrich	49159	
Phosphate Buffer Saline (PBS)	Sigma-Aldrich	P4417	
Protection Wax	Dentaurum	124-305-00	
HEPES	Sigma-Aldrich	H3375	
dimethylformamide	Sigma-Aldrich	D4551	
95% Ethanol	Sigma-Aldrich	493511	
Glass capillary	WPI	1B100F-3	
23 G NanoFil needle	WPI	NF33BV-2	
Very fine forceps	Dumont	0208-55-PO	
Electrode puller	SRI	2001	
FemtoJet Microinjector	Eppendorf	5247 000.01	
Eicosane	Sigma-Aldrich	219274	
manual micromanipulator	Brinkmann Instrumentenbau	MM-33	
electronic micromanipulator	Luigs & Neumann Feinmechanik + Elektrotechnik	Junior unit XYZ	
stereomicroscope	Leica	M80	
soldering iron	Weller	WESD51	
Dextran, Alexa Fluor 546, 10,000 MW	ThermoFisher Scientific	D-22911	
Dextran, Alexa Fluor 568, 10,000 MW	ThermoFisher Scientific	D-22912	
small Petri dish	Sigma-Aldrich	P5481	
mineral oil	Sigma-Aldrich	M5904	
50 ml Centrifuge tube	ThermoFisher Scientific	339652	
forceps	Australian Entomological Supplies		
Blade holder and breaker	Australian Entomological Supplies	E130	

Feather double edged razor blade	ThermoFisher Scientific	50-949-135	
Nichrome wire			Any supplier will do
Electrical wires			Any supplier will do
Model paint	Tamiya USA	Depends on colour	
Repeating dispenser	Hamilton company	PB-600-1	
Glass syringe	WPI	NANOFIL	
fluorescence viewing system	Nightsea	SFR-GR	
graticule	ProSciTech	S8014-24	
microcapillary with holder	Drummond	1-000-0010	
Liquid silicone			Any supplier will do
Thermocouple	Digitech	QM-1324	
Micropipette	Eppendorf		