

Materials List for:

Evaluating the Effect of Environmental Chemicals on Honey Bee Development from the Individual to Colony Level

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Materials

Name	Company	Catalog Number	Comments
Honey bee box	SAN-YI Honey Factory	W1266	Honeybees rearing
Queen excluder (between frames)	SAN-YI Honey Factory	I1575	Queen limitation
Queen excluder (on top)	SAN-YI Honey Factory	I1566	Queen limitation on top
Bee brush	SAN-YI Honey Factory, Taiwan	W1414	clean the bees on frame gently
Bee feeder	SAN-YI Honey Factory, Taiwan	P0219	feed sugar syrup to colony
Transparent slide	Wan-Shih-Chei, Taiwan (http://www.mbsc.com.tw/a01goods.asp?s_id=40)	1139	Mark the larval area on the frames (Material: Polyethylene Terephthalate, PET) (Size = Length*Width*thick = 29.7 mm * 21 mm * 0.1 mm)
24 well tissu culture plate	Guangzhou Jet Bio-Filtration Co., Ltd	TCP011024	Rearing pupae from extraction
Autoclave	Tomin medical equipmenco., LTD.	TM-321	Make sterilized distilled deionized water (ddH ₂ O)
P20 pipetman	Gilson	F123600	Add PPN into bee larval food pool
Incubator	Yihder Co., Ltd.	LE-550RD	Rearing pupae from extraction
Kimwipes	COW LUNG INSTRUMENT CO., LTD	KCS34155	Rearing pupae from extraction
Royal jelly	National Ilan University (NIU)	NIU	Make basic larval diet (BLD)
D-(+)-Glucose	Sigma	G8270	Make basic larval diet (BLD)
D-(-)-Fructose	Sigma	F0127	Make basic larval diet (BLD)
Yeast extract	CONDA, pronadisa	1702	Make basic larval diet (BLD)
Sucrose	Taiwan sugar coporation	E01071010	Make sugar syrup for bee food
Pyriproxyfen (11%)	LIH-NUNG CHEMICAL CO.. LTD.	Registration No. 1937	Insect growth regulator (IGR) used in the experiment