

Materials List for:

Delivery of Nucleic Acids through Embryo Microinjection in the Worldwide Agricultural Pest Insect, *Ceratitis capitata*

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Materials

Name	Company	Catalog Number	Comments
1 x injection Buffer			0.1 mM phosphate buffer pH 7.4, 5 mM KCl
Construct Plasmid			
Helper Plasmid			
dsRNA			Phenol-Chloroform purified
Standard Larval food			1.5 L H ₂ O, 100 ml HCl 1%, 5 g broad-spectrum antimicrobial agent used in pharmaceutical products dissolved in 50 ml of ethanol, 400 g sugar, 175 g demineralized brewer's yeast, 1 kg soft wheat bran
Carrot Larval Food			2.5 g agar, 4 g sodium benzoate, 4.5 ml 37% HCl, 42 g yeast extract, 115 g carrot powder, 2.86 g broad-spectrum antimicrobial agent, water to 1 L
Adult Food			yeast extract and sugar (1:10)
Microscope slides	Sigma-Aldrich	Z692247	
Injection needles	Eppendorf	5242956000	
Microloaders	Eppendorf	5242956003	
Double slided tape			
Whatman Black circle paper	Sigma-Aldrich	Z695505	
Bleach			Diluite 1:2 before use
Paintbrush (000)			
Micromanipulator	Narishige	MN-153	
Microinjector	Eppendorf		Femtojet
Adult cages			
Chlorotrifluoroethylene oil	Sigma-Aldrich	H8898	
<i>Ceratitis capitata</i>			The strain used is ISPRA