

Electroporation-mediated RNA Interference Method in Odonata

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Citation

 Okude, G., Fukatsu, T., Futahashi, R. Electroporation-mediated RNA Interference Method in Odonata. *J. Vis. Exp.* (), e61952, doi:10.3791/61952 (2021).

Date Published

February 6, 2021

DOI

10.3791/61952

URL

jove.com/video/61952

Materials

Name	Company	Catalog Number	Comments
12-well plate	Violamo	VTC-P12	For rearing larvae before injection
Brine shrimp eggs	JAPAN PET DESIGN	4975677012396	
Calibrated micropipette (1-5 μ L)	Drummond	2-000-001-90	
Deposit pestle 1.5 mL	Thermo Fisher Scientific	K749520-0090	
Digital high definition microscope camera	Leica Microsystems	MC170HD	
Disposable non-woven mesh	HAKUGEN EARTH	DSC-105A	
DNA Ligation Kit Ver.2.1	Takara Bio	6022	
Dral	Takara Bio	1037A	
Electrode (1mm ϕ)	NEPAGENE	CUY650P1	
Electroporator	CellProduce	Cure-gene	
Forceps	KOWA Forceps Industry	K-10 No1	
Glass needle puller	NARISHIGE	PN-3	
Hand mixer	AS ONE	1-229-02	
Hand net	HOGA	IS33-3B	
HEPES	FUJIFILM Wako Pure Chemical Corporation	346-01373	For injection buffer
Insect pin capitata No. 3	Shiga Konchu Fukyusha	N230	For fixing larvae
KCl	FUJIFILM Wako Pure Chemical Corporation	163-03545	For PBS
KH ₂ PO ₄	FUJIFILM Wako Pure Chemical Corporation	169-04245	For PBS
KOAc	FUJIFILM Wako Pure Chemical Corporation	160-03175	For injection buffer
KOH	FUJIFILM Wako Pure Chemical Corporation	168-21815	For injection buffer
Laboratory Jack (150x150)	AS ONE	1-4642-11	For adjusting the position of the manipulator
LOGIQLEAN Gel for Ultrasound Hard type	GE Healthcare	2369385	

Manipulator	Muromachi Kikai Co., Ltd.	SJ-1	For adjusting the position of the injector and the capillary
MEGAscript RNAi kit	Thermo Fisher Scientific	AM1626	
Mg(OAc) ₂	FUJIFILM Wako Pure Chemical Corporation	130-00095	For injection buffer
Na ₂ HPO ₄	FUJIFILM Wako Pure Chemical Corporation	197-02865	For PBS
NaCl	FUJIFILM Wako Pure Chemical Corporation	191-01665	For PBS
Petri dish (5 cm diameter)	Iwaki	1010-060	For rearing injected larvae
Pneumatic Injector	NARISHIGE	IM-12	
pT7Blue T-Vector	Novagen	69820	
QIAquick PCR Purification Kit	QIAGEN	28106	
RNAiso Plus	FUJIFILM Wako Pure Chemical Corporation	9109	
RNeasy Mini Kit	QIAGEN	74106	
Shiga micro insect pin with stainless headless	Shiga Konchu Fukyusha	N251	For making a small hole
Stereoscopic microscope	Leica Microsystems	S8APO	
SuperScript IV Reverse Transcriptase	Thermo Fisher Scientific	18090010	
TaKaRa Ex Taq	Takara Bio	RR001B	For PCR-amplification from plasmid
Tks Gflex DNA Polymerase	Takara Bio	R060B	For PCR-amplification from caudal gill