

Materials List for

Application of CRISPR Interference (CRISPRi) for Gene Silencing in Pathogenic Species of *Leptospira*

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Citation

Fernandes, L.G.V., Hornsby, R.L., Nascimento, A., Nally, J.E. Application of CRISPR Interference (CRISPRi) for Gene Silencing in Pathogenic Species of *Leptospira*. *J. Vis. Exp.* (174), e62631, doi:10.3791/62631 (2021).

Date Published

August 14, 2021

DOI

10.3791/62631

URL

jove.com/video/62631

Materials

Name	Company	Catalog Number	Comments
0.1 µm pore size mixed cellulose esters membrane	Millipore	VCWP02500	Filtration for bacterial conjugation
2,6-Diaminopimelic acid (DAP)	Sigma	D1377	Growth of auxotrophic <i>E. coli</i> β2163
Agar Noble	BD & Company	214230	Used for preparation of solid EMJH and HAN plates
Bacto Agar	BD & Company	214010	Used for preparation of solid LB plates
Clarity Western ECL substrate	Biorad	170-5060	Chemiluminescent substrate
dNTP set	Thermo Fisher	10297-018	dNTPs for PCR reaction
Glass Microanalysis Filter Holder	Millipore	XX1012530	Filtration for bacterial conjugation
Imaging System	Biorad	ChemiDoc MP	Chemiluminescence detection
LB broth, Miller	BD & Company	244620	Lysogenic liquid medium for <i>E. coli</i> culturing
<i>Leptospira</i> Enrichment EMJH	BD & Company	279510	Supplementation of EMJH media
<i>Leptospira</i> Medium Base EMJH	BD & Company	279410	EMJH medium for <i>Leptospira</i>
Mini-PROTEAN TGX Gels 12%	Biorad	4568043	Used for polyacrylamide gel electrophoresis
Optical density reader	Molecular Devices	SpectraMax M2	For optical density measurements of bacterial cultures
Phosphate Buffered Saline 7.4	Sigma	806552	Saline solution for washing bacterial pellets
Spectinomycin	Sigma	S0692	Selection of pMaOri backbone plasmids
Taq DNA Polymerase	Thermo Fisher	EP0402	Enzyme, buffer and MgCl ₂ for PCR reaction
Thermocycler	Applied Biosystem	GeneAmp PCR System 9700	Used for PCR reaction cycling
Thymidine (dT)	Sigma	T9250	Growth of auxotrophic <i>E. coli</i> π1
XmaI restriction enzyme	New Englan BioLabs	R0180L	Digestion of plasmids and inserts