

Materials List for

Detection of Horizontal Gene Transfer Mediated by Natural Conjugative Plasmids in *E. coli*

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jove.com/video/64523

Materials

Name	Company	Catalog Number	Comments
1.5 mL tube racks	Thermo Fisher Scientific	22-313630	It can be replaced for another brand
2.0 mL Cryogenic vials	Corning	430659	It can be replaced for another brand
14 mL conical tubes	FALCON	149597	It can be replaced for another brand
14 mL tube racks	Thermo Fisher Scientific	8850	It can be replaced for another brand
1 kb DNA ladder	New England Biolabs	N0552G	
250 mL sterile flasks	PYREX	5320	It can be replaced for another permanent marker brand
Acetic acid	Fisher Scientific	A38SI-212	It can be replaced for another brand
Agarose (molecular biology grade, multipurpose)	Fisher Scientific	BP160-500	It can be replaced for another brand
Carbenicillin	GOLD BIOTECHNOLOGY	C-103-50	It can be replaced for another brand
Disposable inoculating loops: 1 µL	Fisherbrand	22-363-595	It can be replaced for another brand
DNA gel loading dye 6x	New England Biolabs	B7024S	It can be replaced for another brand
EDTA	Fisher Scientific	BP119-500	It can be replaced for another brand
Electronic digital scale	Denver Instrument	APX-2001	It can be replaced for another brand
Eppendorf conical tubes: 1.5 mL	Eppendorf	14-282-302	It can be replaced for another brand
Equipment for agarose gel electrophoresis	Fisher Scientific	FP300	It can be replaced for another brand
Ethanol-resistant markers	Sharpie	37001; 37002; 37003	It can be replaced for another brand
Gel documentation systems (UVP GelSolo)	Analytakjena	SP-1108; 849-97-0936-01; 95-0612-01	It can be replaced for another brand
Gloves	X-GEN	44-100M	Any nitrile gloves brand works
Ice bucket	Thermo Fisher Scientific	432128	It can be replaced for another brand
MacConkey agar	BD DIFCO	212123	
Master Mix	BioLabs	M0496S	It can be replaced for another brand
Methanol	Fisher Scientific	A452-4	It can be replaced for another brand
Microcentrifuge tubes: 2.0 mL	Fisherbrand	05-408-138	It can be replaced for another brand
Mueller Hinton agar	BD DIFCO	DF0479-17-3	

Mueller Hinton broth	BD DIFCO	275730	
NucleoSpin Plasmid, Mini kit for plasmid DNA	Takara Bio USA, Inc., MACHEREY-NAGEL	740588. 250	
PCR tube racks	AXYGEN	R96PCRFSP	It can be replaced for another brand
PCR tubes (0.2 mL)	AXYGEN	PCR-02-C	It can be replaced for another brand
Rifampicin	Fisher Scientific	50-164-7517	
Set of micropipettes that dispense between 1 - 10 μ L (P10), 2–20 μ L (P20), 20–200 μ L (P200) and 200–1000 μ L (P1000)	RAININ	17008648; 17008650; 17008652; 17008653	Micropipettes should be calibrated; can be replaced for another brand
Sodium chloride	Fisher Scientific	S671-3	It can be replaced for another brand
Spectrophotometer	Thermo Scientific	335905P	It can be replaced for another brand
Sterilized tips for 10 μ L, 200 μ L and 1000 μ L	Eclipse	1011-260-000-9; 1018-260-000; 1019-260-000-9	It can be replaced for another brand
Streptomycin	Fisher Scientific	BP910-50	
SYBR Safe DNA gel stain	Thermo Fisher Scientific	S33102	
Taq DNA Polymerase	BioLabs	M0273S	
Thermal cycler C1000 Touch	Bio-Rad	1851196	It can be replaced for another brand
Tris	Fisher Scientific	BP153-500	It can be replaced for another brand