

Materials List for:

Creation of a Dense Transposon Insertion Library Using Bacterial Conjugation in Enterobacterial Strains Such As *Escherichia Coli* or *Shigella flexneri*

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URL: <https://www.jove.com/video/56216>

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Materials

Name	Company	Catalog Number	Comments
0.45 micron nitrocellulose filters (sterile)	Millipore	HAWP02500	Alternatively blotting paper can be used (listed below)
Blotting paper cut into ~ 1 inch circles, then autoclave/sterilized in foil. There is no difference in efficiency between the nitrocellulose filters or blotting paper	GE life Sciences: product Grade 3MM Chr Blotting Paper, sheet, 46 × 57 cm	3030-917	Alternatively nitrocellulose filters can be used (listed above)
Metal Forceps, sterile	VWR/Global Science New Zealand	MURRE009/01	
Petri dishes, sterile, 90 mm diameter, 68 mL volume, 12.5 mL working volume.	Interlab New Zealand	2303-1090	
Sterile glass spreaders	VWR/Global Science New Zealand	NZNZSPREADER	Alternatively sterile glass beads can be used for spreading culture onto plates (listed below)
Sterile glass beads	VWR/Global Science New Zealand	HERE1080603	Alternatively a sterile glass spreader can be used for spreading culture onto plates (listed above)
Nalidixic acid (optional)	GoldBio.com	N-015-250	
Ampicillin sodium salt BioChemica	VWR/Global Science New Zealand	APLIA0839.0025	prepare according to manufacturer recommendation
Kanamycin sulfate BioChemica	VWR/Global Science New Zealand	APLIA1493.0010	
IPTG (Isopropyl β-D-1-thiogalactopyranoside)	ThermoFisher New Zealand	FMTR0393	
Difco Agar granulated	Fort Richard Laboratories/Interlab New Zealand	214530	
Luria Broth Base (Miller's LB Broth Base)	ThermoFisher	12795-084	
Glycerol bidistilled 99,5 %	VWR/Global Science New Zealand	VWRC24388.320	
15 ml polypropylene sterile conical vials	VWR/Global Science New Zealand	CORN430791	
Microcentrifuge tubes, flat cap, 1.7ml, Ultra-clear PP, graduated, autoclavable and freezable	VWR/Global Science New Zealand	AXYGMCT-175-C	
50ml Centrifuge tubes, Falcon, PP, conical, printed graduation, with flat screw caps, sterile	VWR/Global Science New Zealand	BDAA352070	
Name	Company	Catalog Number	Comments
Equipment			
Incubator at 37C			

Autoclave for sterilizing media			
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