

Materials List for:

# Detection of Foodborne Bacterial Pathogens from Individual Filth Flies

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URL: <https://www.jove.com/video/52372>

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## Materials

Name	Company	Catalog Number	Comments
Bismuth sulfite (BS) agar	Fisher Scientific	R452402	*Multiple suppliers.
Brain heart infusion (BHI) broth	Becton, Dickson and Company	299070	*Pre-warmed to 37°C. Multiple suppliers.
Brilliance Listeria agar (BLA)	Fisher Scientific	CM1080B	*Multiple suppliers.
Buffered peptone water (BPW)	Becton, Dickson and Company	212367	*Pre-warmed to 37°C or 42°C. Multiple suppliers.
Brilliance Cronobacter agar (Druggan-Forsythe-Iversen formulation/DFI)	Fisher Scientific	CM1055B	*Multiple suppliers.
chromID Sakazakii Agar	bioMérieux	43741	*Call for information: 800.682.2666
R & F Enterobacter sakazakii (Cronobacter) Chromogenic Plating Medium	R & F Laboratories	Various	*Call for information: +1.630.969.530
R & F Enterobacter sakazakii Enrichment Broth and supplement	R & F Laboratories	Various	*Call for information: +1.630.969.530
Hektoen enteric (HE) agar	Fisher Scientific	OXCM0419B	*Multiple suppliers.
24 Listeria enrichment broth (24LEB)	Oxoid	CM1107	*Freshly prepared at room-temperature. Multiple suppliers.
Listeria selective enrichment supplement	Oxoid	SR0243	*Multiple suppliers.
Novobiocin	Fisher Scientific	OXSR0181E	*Multiple suppliers. Store at 2-8 °C
Vancomycin hydrochloride hydrate	Sigma Aldrich	861987	Store at 2-8 °C
Cefsulodin sodium salt hydrate	Sigma Aldrich	C8145	Store at 2-8 °C
Rappaport-Vassiliadis (RV) medium	Fisher Scientific	CM0669B	*Multiple suppliers.
Tetrathionate (TT) Broth	Becton, Dickson and Company	249120	*Multiple suppliers.
Trypticase soy agar (TSA)	Becton, Dickson and Company	236930	*Multiple suppliers.
Xylose lysine desoxycholate (XLD) agar	Becton, Dickson and Company	221284	*Multiple suppliers.
API Biochemical identification system	bioMérieux	Various	*Call for information: +1.800.682.2666
VITEK 2: Product Safety	bioMérieux	Various	*Call for information: +1.800.682.2667
BAX System Q7	DuPont		
BAX E. sakazakii Standard assay kit	DuPont	D11801836	
BAX L. monocytogenes 24E assay kit	DuPont	D13608125	
BAX Salmonella 2 Standard assay kit	DuPont	D14368501	

Capping tool	DuPont	D11677028	
Decapping tool	DuPont	D11134095	
PCR tube rack/holder	DuPont	D12701663	
Featherweight forceps, wide tip	BioQuip	4750	Sterilize before use. Multiple suppliers.
Fine point, straight tip forceps	BioQuip	4731	Sterilize before use. Multiple suppliers.
Zirconia/silica beads, 0.5 mm	Bio Spec Products, Inc.	11079105z	Multiple suppliers.
Petri dishes - 60X15mm	Fisher Scientific	08-772B	Multiple suppliers.
Disposable inoculating loops, 10 $\mu$ L	Fisher Scientific	22-363-606	Multiple suppliers.
L-shaped cell spreaders	Fisher Scientific	14-665-230	Multiple suppliers.
Microcentrifuge tubes, 2 ml	Fisher Scientific	Various	Sterilize before use when needed. Secure lid is preferred. Multiple suppliers.
Cluster tubes	Fisher Scientific	05-500-13	
Cluster tubes caps	Fisher Scientific	05-500-23	
Sodium hypochlorite (Liquid chlorine bleach)			*Dilute to 0.05% with water. Multiple suppliers.
Sterile deionized water			Multiple suppliers.
Sterile distilled water			Multiple suppliers.
Ethyl alcohol 190 proof			*Dilute to 70% with water when needed. Multiple suppliers.
Genie cell disruptor, 120V - for 1.5ml and 2.0ml microtubes	Scientific Industries, Inc.	SI-D238	Multiple suppliers.
Heating block			Multiple suppliers.
Cooling block			Multiple suppliers.
Recirculating water bath			Multiple suppliers.
Stereo microscope			Multiple suppliers.
Centrifuge			Multiple suppliers.
Incubator			Multiple suppliers.