

Materials List for:

Enrichment and Detection of *Clostridium perfringens* Toxinotypes in Retail Food Samples

Zuha Anwar^{*1}, Samantha B. Regan^{*1}, Jennifer Linden¹

¹Brain and Mind Institute, Weill Cornell Medical College

*These authors contributed equally

Correspondence to: Jennifer Linden at jel2049@med.cornell.edu

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Materials

Name	Company	Catalog Number	Comments
D-Cycloserine	Sigma-Aldrich	C6880	
Dextrose	Sigma Life Science	D9434-250G	
Disposable Transfer Pipets	any brand		Select one with slim tip like Thermo Scientific Disposable Transfer Pipets 137116M/EMD
DNeasy Blood & Tissue Kits	Qiagen	69504	Note: numerous DNA and plasmid extractions kits were evaluated, this kit gave the most desirable results.
Dry Incubator	any brand		
Fluid thioglycolate medium	Remel	R453452	
Gelatin from porcine skin	Sigma Life Science	G1890-500G	
Individual Primers	Invitrogen		
Iron (II) sulfate heptahydrate	Sigma Life Science	F8633-250 G	
Lysozyme from chicken egg white	Sigma-Aldrich	L6876	Needed for DNA extraction, not provided in kit
microcentrifuge tube	any brand		
parafilm or plastic wrap	any brand		
Peptone from casein and other animal proteins	Sigma-Aldrich	70173-100G	
Perfringens Agar Base (TSC + SFP)	Oxoid	CM0587	Make TSC agar according to instructions
Potassium phosphate dibasic	Sigma-Aldrich	P2222-100G	
Sodium chloride	Sigma-Aldrich	S-7653	
Sterile Cell Scraper	any brand		
Sterile cell Spreader	any brand		
Sterile petri dishes	any brand		
Supplies and equipment for gel electrophoresis	any brand		
table top centrifuge	any brand		
Taq PCR Master Mix Kit	Qiagen	201443	
Thermocycler for PCR reaction	any brand		
water bath	any brand		
Yeast extract	Sigma-Aldrich	70161-100G	