

Materials List for

Detection and Isolation of *Campylobacter* spp. from Raw Meat

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Materials

Name	Company	Catalog Number	Comments
Agar - Solidifying Agent (Difco)	Becton, Dickinson and Company (BD)	281230	
Analytical Balance	Mettler Toledo	JL602-G/L	Equipment
Analytical Balance	Mettler Toledo	AB54-S	Equipment
Antibiotic supplements cefoperazone, cycloheximide, trimethoprim, vancomycin	Oxoid Ltd.	SR0183E	
Atmosphere Control Gas Pak (Campy, 85% N ₂ , 10% CO ₂ , and 5% O ₂)	Becton, Dickinson and Company (BD)	260680	
Atmosphere Control Vessel, GasPak EZ CampyPak container system	Becton, Dickinson and Company (BD)	260678	
Autoclave - Amsco Lab250, Laboratory Steam Sterilizer	Steris plc	LV-250	Equipment
Biological Safety Cabinet, Type A2, Purifier Logic+	Labconco Corporation	302411101	Equipment
Bolton broth	Oxoid Ltd.	CM0983	
Brucella broth (Difco)	Becton, Dickinson and Company (BD)	211088	
Buffered Peptone Water	Bio-Rad Laboratories Inc.	3564684	
Centrifuge Microcentrifuge 5424	Eppendorf	5424	Equipment
Centrifuge, Avanti J-25	Beckman Coulter, Inc.		Equipment
Chicken thighs, wings, drumsticks, livers	Local retailers		
DNA Extraction - PreMan Ultra Sample Preparation Reagent	Thermo Fisher Scientific Inc.	4318930	
FAM probe for hipO (Sequence 5'-TTGCAACCTCACTAGCAAATCCACAGCT-3')	Integrated DNA Technologies		

Filter - 0.45 µm sterile cellulose acetate filter	Merck-Millipore LTD	DAWP04700	
Filter - 0.65 µm sterile cellulose acetate filter	Merck-Millipore LTD	HAWG04700	
forward primer for cdtA (Sequence 5'-TGTCAAACAAAAACACCAAGCT T-3'')	Integrated DNA Technologies		
forward primer for hipO (Sequence 5'-TCCAAATCCTCACTTGCCATT-3')	Integrated DNA Technologies		
forward primer for IAC (Sequence 5'-GGCGCGCCTAACACATCT-3')	Integrated DNA Technologies		
HEX probe for cdtA (Sequence 5'-AAAATTTCCCGCCATACCACTTG TCCC-3')	Integrated DNA Technologies		
Incubator - Inova 4230 refrigerated incubator shaker	New Brunswick Scientific	4230	Equipment
Inoculating Loop - Combi Loop 10µL and 1µL	Fisher Scientific International, Inc	22-363-602	
Internal Amplification Control (IAC) DNA fragment (Sequence 5'-TGGAAGCAATGCCAAATGTGTAT GTGGTGGCATTGTCTTCTCCC GTTGTAACTATCCACTGAGATG TGTTAGGCGCGCC-3')	Integrated DNA Technologies		
Laked horse blood	Remel Inc.	R54072	
Manual pipette Pipet-Lite LTS Pipette L-1000XLS+	Mettler Toledo	17014382	Equipment
Manual pipette Pipet-Lite LTS Pipette L-100XLS+	Mettler Toledo	17014384	Equipment
Manual pipette Pipet-Lite LTS Pipette L-10XLS+	Mettler Toledo	17014388	Equipment
Manual pipette Pipet-Lite LTS Pipette L-200XLS+	Mettler Toledo	17014391	Equipment
Manual pipette Pipet-Lite LTS Pipette L-20XLS+	Mettler Toledo	17014392	Equipment
Manual pipette Pipet-Lite Multi Pipette L8-200XLS+	Mettler Toledo	17013805	Equipment
Manual pipette Pipet-Lite Multi Pipette L8-20XLS+	Mettler Toledo	17013803	Equipment
Media Storage Bottle -PYREX 1 L Square Glass Bottle, with GL45 Screw Cap	Corning Inc.	1396-1L	Equipment
Media Storage Bottle -PYREX 2 L Round Wide Mouth Bottle, with GLS80 Screw Cap	Corning Inc.	1397-2L	Equipment
Microtiter plate, 96 well plate, flat bottom, polystyrene, 0.34 cm ² , sterile, 108/cs	MilliporeSigma	Z707902	
Mixer - Vortex Genie 2	Scientific Industries Inc.	SI-0236	Equipment
Motorized pipette controller, PIPETBOY2	INTEGRA Biosciences Corp.		Equipment
PCR Mastermix 2× TaqMan Gene Expression	Thermo Fisher Scientific Inc.	4369542	
Petri Dish Rotator - bioWORLD Inoculation Turntable	Fisher Scientific International, Inc	3489E20	Equipment
Petri Dishes with Clear Lid (100 mm x 15mm)	Fisher Scientific International, Inc	FB0875713	

Pipette Tips GP LTS 1000µL S 768A/8	Mettler Toledo	30389273	
Pipette Tips GP LTS 20µL 960A/10	Mettler Toledo	30389270	
Pipette Tips GP LTS 200µL F 960A/10	Mettler Toledo	30389276	
Reagent Reservoir, 25 mL sterile reservoir used with multichannel pipettors	Thermo Fisher Scientific Inc.	8093-11	
Realtime PCR - 7500 Real-Time PCR system	(Applied Biosystems, Foster City, CA)		Equipment
reverse primer for cdtA (Sequence 5'-CCTTTGACGGCATTATCTCCTT-3')	Integrated DNA Technologies		
reverse primer for hipO (Sequence 5'-TGCACCACTGACTATGAATAACG A-3')	Integrated DNA Technologies		
reverse primer for IAC (Sequence 5'-TGGAAGCAATGCCAAATGTGTA -3')	Integrated DNA Technologies		
Serological Pipettes, Nunc Serological Pipettes (10 mL)	Thermo Fisher Scientific Inc.	170356N	
Serological Pipettes, Nunc Serological Pipettes (2 mL)	Thermo Fisher Scientific Inc.	170372N	
Serological Pipettes, Nunc Serological Pipettes (25 mL)	Thermo Fisher Scientific Inc.	170357N	
Serological Pipettes, Nunc Serological Pipettes (50 mL)	Thermo Fisher Scientific Inc.	170376N	
Spreader - Fisherbrand L-Shaped Cell Spreaders	Fisher Scientific International, Inc	14-665-230	
Stomacher bag, Nasco Whirl-Pak Write-On Homogenizer Blender Filter Bags	Thermo Fisher Scientific Inc.	01-812	
TAMRA probe for IAC (Sequence 5'-TTACAACGGGAGAAGACAATGCC ACCA-3')	Integrated DNA Technologies		
Thermocycler (GeneAmp PCR system 9700)	Applied Biosystems		Equipment
Water Filtration - Elga Veolia Purelab Flex	Elga LabWater	PF2XXXXM1-US	Equipment