

Materials List for:

**Development of a More Sensitive and Specific Chromogenic Agar Medium for the Detection of *Vibrio parahaemolyticus* and Other *Vibrio* Species**

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**Materials**

Name	Company	Catalog Number	Comments
<b>Reagent/Equipment</b>			
Agar	Fisher Scientific	DF0140-15-4	may use other brands
Autoclave	Any		
BHI powder	Fisher Scientific	DF0418-17-7	may use other brands
Blender	Any		to blend oyster meat
CampyGen gas generator	Hardy Diagnostics	CN035A	to provide a microaerophilic atmosphere; may use other brands
Chocolate agar plates	Hardy Diagnostics	E14	may use other brands
Common PCR reagents (dNTPs, MgCl <sub>2</sub> , Taq Polymerase)	Any		or use PCR beads (Fisher Sci 46-001-014)
Culture tubes	Fisher Scientific	S50712	may use other brands
Eppendorf tubes	Fisher Scientific	S348903	may use other brands
Gel doc	Any		
HardyChrom Vibrio agar plates	Hardy Diagnostics	G319	This study evaluates this medium
Incubator	Any		
Inoculating loops	Fisher Scientific	22-363-606	10 microliter-size was used in this study
NaCl	Fisher Scientific	BP358-212	may use other brands
Oysters	Any		
PBS	Fisher Scientific	R23701	may use other brands
Petri dish	Fisher Scientific	FB0875713	may use other brands
Pipette and tips	Any		Sterilized tips
Primers for <i>tlh</i>	IDT DNA		
Scale	Any		
Spreader	Fisher Scientific	08-100-11	Beads may be used instead
Stomacher blender	Stomacher	400	Samples were homogenized at 200 rpm for 30 sec. Other homogenizer can be used.
Sterile filter bags for blenders	Fisher Scientific	01-812-5	
TCBS powder	Hardy Diagnostics	265020	This study evaluates this medium
Thermocycler	Any		
TSB powder	Fisher Scientific	DF0370-07-5	may use other brands
UV viewing cabinet	Any		Emit long-wave UV light
Water bath	Any		

Name	Sources	Catalog Number	Comments
<b>Bacterial species and strains</b>			
<i>Aeromonas hydrophila</i>	ATCC		
<i>Candida albicans</i>	ATCC		
<i>Campylobacter jejuni</i>	ATCC		
<i>Escherichia coli</i>	ATCC		
<i>Proteus mirabilis</i>	ATCC		
<i>Pseudomonas aeruginosa</i>	ATCC		
<i>Staphylococcus aureus</i>	ATCC		
<i>Salmonella Choleraesuis</i>	ATCC		
<i>Shigella boydii</i>	ATCC		
<i>Shigella flexneri</i>	ATCC		
<i>Shigella sonnei</i>	ATCC		
<i>Vibrio alginolyticus</i>	ATCC		
<i>V. cholerae</i> (serotypes include O139, O1, non O1, El Tor biovars)	FDA, ATCC		
<i>V. damsela</i>	FDA		
<i>V. fisheri</i>	Environment		
<i>V. fluvialis</i>	CDC		
<i>V. furnissii</i>	CDC		
<i>V. hollisae</i>	FDA		
<i>V. metschnikovii</i>	ATCC		
<i>V. mimicus</i>	FDA		
<i>V. parahaemolyticus</i> (serotypes include O3:K6, O1:K56, O4:K8, O5:K15, O8, etc.)	ATCC, FDA, CDC, Environment		
<i>V. proteolyticus</i>	FDA		
<i>V. vulnificus</i>	FDA		