

Materials List for:

Laboratory Techniques Used to Maintain and Differentiate Biotypes of *Vibrio cholerae* Clinical and Environmental Isolates

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URL: <https://www.jove.com/video/55760>

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Materials

Name	Company	Catalog Number	Comments
1 kb DNA Ladder	New England Biolabs	N3232S	https://www.neb.com/products/n3232-1-kb-dna-ladder
60% Glycerol	Calbiochem	356352	http://www.emdmillipore.com/US/en/product/Glycerol%2C-Molecular-Biology-Grade---CAS-56-81-5---Calbiochem,EMD_BIO-356352
Agar	Becto, Dickinson and Co.	214030	http://catalog.bd.com/nexus-ecat/getProductDetail?productId=214030&parentCategory=&parentC...%2FsearchResults%3Fkeyword%3D214030%26typeOfSearch%3DproductSearch
Agar with brain-heart infusion	Becto, Dickinson and Co.	237500	http://catalog.bd.com/nexus-ecat/getProductDetail?productId=237500&parentCategory=&parentC...%2FsearchResults%3Fkeyword%3D237500%26typeOfSearch%3DproductSearch
Agarose	Peqlab	732-2789	<a +"="" href="https://de.vwr.com/store/catalog/product.jsp?catalog_number=732-2789&_DARGS=/store/cms/de.vwr.com/de_DE/header_2016111711383215.jsp_AF&_dynSess...%3Fcatalog_number%3D732-2789&lastLanguage=en/&vwr/userprofiling/EditPersonalInfoFormHandler.updateLocale=&%3AcurrentLanguage=+%&currentLanguage=en&_D%3AlastLanguage=+%&_D%3A/vwr/userprofiling/EditPersonalInfoFormHandler.updateLocale=">https://de.vwr.com/store/catalog/product.jsp?catalog_number=732-2789&_DARGS=/store/cms/de.vwr.com/de_DE/header_2016111711383215.jsp_AF&_dynSess...%3Fcatalog_number%3D732-2789&lastLanguage=en/&vwr/userprofiling/EditPersonalInfoFormHandler.updateLocale=&%3AcurrentLanguage=+%&currentLanguage=en&_D%3AlastLanguage=+%&_D%3A/vwr/userprofiling/EditPersonalInfoFormHandler.updateLocale="+
Anhydrous K ₂ HPO ₄	Fisher Scientific	P288-500	https://www.fishersci.com/shop/products/potassium-phosphate-dibasic-anhydrous-crystalline-powder-certified-ac-fisher-chemical-5/p288500?searchHijack=true&searchTerm=P288500&sea
Blood Agar Plates	Remel	R01200	Store at 4 °C; http://www.remel.com/Catalog/Item.aspx?name=Blood+Agar
Boric Acid	Fisher Scientific	A73-500	https://www.fishersci.com/shop/products/boric-acid-

			crystalline-certified-acsfisher-chemical-6/a73500?searchHijack=true&searchTerm=A73500&sea
Bromothymol Blue	Fisher Scientific	B388-10	https://www.fishersci.com/shop/products/bromothymol-blue-certified-acsfisher-chemical/b38810?searchHijack=true&searchTerm=B38810&sea
Citric acid ·H ₂ O	Fisher Scientific	S72836-3	https://www.fishersci.com/shop/products/citric-acid-monohydrate-4/s728363#?keyword=s728363
Deoxynucleotide (dNTP) Solution Kit	New England Biolabs	N0446S	Store at -20 °C; https://www.neb.com/products/n0446-deoxynucleotide-solutionset
Disodium EDTA	Fisher Scientific	S311-500	https://www.fishersci.com/shop/products/ethylenediaminetetraacetic-acid-disodium-salt-dihydrate-crystalline-certified-acsfisher-chemical-7/s311500?searchHijack=true&searchTerm=S311500&sea
DNA Clean & Concentrator™ -25 Kit	Zymo Research	D4007	http://www.zymoresearch.com/dna/dna-clean-up/zymoclean-gel-dna-recovery-kit
GelGreen Nucleic Acid Stain	Biotium	41005	https://biotium.com/product/gelgreentm-nucleic-acid-gel-stain-10,000x-in-water/
Genesys 10SUV-VIS Spectrophotometer	Thermo Scientific	840-208100	https://www.thermofisher.com/order/catalog/product/840-208100?ICID=search-840-208100
Gentra Puregene Yeast/Bact. Kit	Qiagen	158567	https://www.qiagen.com/us/shop/sample-technologies/dna/dna-preparation/gentra-puregene-yeastbact-kit/#orderinginformation
HCl	Fisher Scientific	A144-212	Corrosive; https://www.fishersci.com/shop/products/hydrochloric-acid-certified-acsp-plus-fisher-chemical-10/a144212?searchHijack=true&searchTerm=A144212&sea
KCl	Fisher Scientific	P217-500	https://www.fishersci.com/shop/products/potassium-chloride-crystalline-certified-acsfisher-chemical-4/p217500?searchHijack=true&searchTerm=P217500&sea
KH ₂ PO ₄	Fisher Scientific	P285-500	https://www.fishersci.com/shop/products/potassium-phosphate-monobasic-crystalline-certified-acsfisher-chemical-5/p285500?searchHijack=true&searchTerm=P285500&sea
KOH	Fisher Scientific	P250-500	https://www.fishersci.com/shop/products/potassium-hydroxide-pellets-certified-acsfisher-chemical-5/p250500?searchHijack=true&searchTerm=P250500&sea
Le Loop	Decon Labs Inc.	MP190-25	http://deconlabs.com/products/leloop/
Le Stab	Decon Labs Inc.	MP186-5	http://deconlabs.com/products/lestab/
MgSO ₄ ·7H ₂ O	Fisher Scientific	M63-500	https://www.fishersci.com/shop/products/magnesium-sulfate-heptahydrate-crystalline-certified-

			acs-fisher-chemical-3/m63500? searchHijack=true&searchTerm=M63500&searchTerm=M63500&searchTerm=M63500
Mini-Sub Cell GT Horizontal Electrophoresis System	Bio Rad Labs	1704406	http://www.bio-rad.com/en-us/product/mini-sub-cell-gt-cell?WT.srch=1&WT.mc_id=aw-cbb-NA-sub_cell_systems_brand_gold&WT.knsh_id=7a011-42a3-aece-1236ff453373
MR-VP Broth	Difco	216300	http://catalog.bd.com/nexus-ecat/getProductDetail?productId=216300&parentCategory=&parentCategory=%2FsearchResults%3Fkeyword%3Dmr-vp%2Bmedium%26typeOfSearch%3DproductSearch
Na ₂ HPO ₄	Fisher Scientific	S374-500	https://www.fishersci.com/shop/products/sodium-phosphate-dibasic-anhydrous-granular-powder-certified-acsfisher-chemical-5/s374500?searchHijack=true&searchTerm=S374500&searchTerm=S374500&searchTerm=S374500
NaCl	Fisher Scientific	S271-10	https://www.fishersci.com/shop/products/sodium-chloride-crystalline-certified-acsfisher-chemical-6/s27110?searchHijack=true&searchTerm=S27110&searchTerm=S27110&searchTerm=S27110
NaHCO ₃	Fisher Scientific	S233-500	https://www.fishersci.com/shop/products/sodium-bicarbonate-powder-certified-acsfisher-chemical-5/s233500?searchHijack=true&searchTerm=S233500&searchTerm=S233500&searchTerm=S233500
NaNH ₄ HPO ₄ ·4H ₂ O	Fisher Scientific	S218-500	https://www.fishersci.com/shop/products/sodium-ammonium-phosphate-tetrahydrate-crystalline-certified-fisher-chemical/s218500?searchHijack=true&searchTerm=S218500&searchTerm=S218500&searchTerm=S218500
NanoDrop Lite Spectrophotometer	Thermo Scientific	ND-LITE-PR	https://www.thermofisher.com/order/catalog/product/ND-LITE-PR?CID=search-ND-LITE-PR
Nonfat dry milk	Nestle Carnation	N/A	N/A
Peptone	Becto, Dickinson and Co.	211677	http://catalog.bd.com/nexus-ecat/getProductDetail?productId=211677&parentCategory=&parentCategory=%2FsearchResults%3Fkeyword%3D211677%26typeOfSearch%3DproductSearch
Petri Dishes (100 mm x 15 mm)	Fisher Scientific	FB0875712	https://www.fishersci.com/shop/products/fisherbrand-petri-dishes-clear-lid-12/fb0875712#?keyword=FB0875712
Petri Dishes (150 mm x 15 mm)	Fisher Scientific	FB0875714	https://www.fishersci.com/shop/products/fisherbrand-petri-dishes-clear-lid-12/fb0875714?searchHijack=true&searchTerm=FB0875714&searchTerm=FB0875714&searchTerm=FB0875714
Polymyxin B sulfate salt	Sigma-Aldrich	P1004-10MU	Store at 2-4 °C; http://www.sigmaaldrich.com/catalog/product/sial/p1004?lang=en&region=US
Taq DNA Polymerase	New England Biolabs	M0273S	Store at -20 °C; https://www.neb.com/products/m0273-taq-dna-polymerase-with-standard-taq-buffer

Taq Reaction Buffer	New England Biolabs	M0273S	Store at -20 °C; https://www.neb.com/products/m0273-taq-dna-polymerase-with-standard-taq-buffer
Thermal Cycler Bio-Rad C1000 Touch™	Bio Rad Labs	1840148	http://www.bio-rad.com/evportal/evolutionPortal.portal?_nfpb=true&_pageLabel=search_page&sfMod+productcategories+productdetails+abdProductDetails+msds+literatures+inserts+faqs+downloads+webpages+assays+genes+pathways+plates+promotions&tabName=DIVISIONNAME
Triphenyltetrazolium chloride	Alfa Aesar	A10870	https://www.alfa.com/en/catalog/A10870/
Tris Base	Fisher Scientific	BP152-1	https://www.fishersci.com/shop/products/tris-base-white-crystals-crystalline-powder-molecular-biology-fisher-bioreagents-7/bp1521?searchHijack=true&searchTerm=BP1521&search
Tryptone	Becto, Dickinson and Co.	211705	http://catalog.bd.com/nexus-ecat/getProductDetail?productId=211705&parentCategory=&parentC%2FsearchResults%3Fkeyword%3D211705%26typeOfSearch%3DproductSearch
Yeast Extract	Becto, Dickinson and Co.	212750	http://catalog.bd.com/nexus-ecat/getProductDetail?productId=212750&parentCategory=&parentC%2FsearchResults%3Fkeyword%3D212750%26typeOfSearch%3DproductSearch
α-naphthol	MP Biomedicals	204189	http://www.mpbio.com/product.php?pid=05204189