

Materials List for:

Prospecting Microbial Strains for Bioremediation and Probiotics Development for Metaorganism Research and Preservation

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URL: <https://www.jove.com/video/60238>

DOI: [doi:10.3791/60238](https://doi.org/10.3791/60238)

Materials

Name	Company	Catalog Number	Comments
500 mL PYREX Media Storage Bottle	thomas scientific/Corning	1743E20/1395-500	Used to sample water.
500 mL Aspirator Bottles	thomas scientific/Corning	1234B28/1220-2X	Used to separate the oil fractions.
6-inch wire cutter plier	thomas scientific/Restek	1173Y64/23033	Used to cut coral fragments.
17a-Ethinylestradiol	LGC Standards	DRE-C13245100	Used as the only carbon source to make the selective media.
Agar	Himedia	PCT0901-1KG	Used to make solid media.
Bushnell Haas Broth	Himedia	M350-500G	Used as minimum media to be supplemented with carbon sources.
Erlenmeyer Flask	thomas scientific/DWK Life Sciences (Kimble)	4882H35/26500-125	Used to incubate coral macerate with glass beads.
GFX PCR DNA and Gel Band Purification kit	GE Healthcare	28903470	Used to purify PCR products before sending them for sequencing.
Glass Beads	MP Biomedicals	1177Q81/07DP1070	Used to detach the microorganisms from coral structures.
Laminar Flow Hood			Needed to work at sterile conditions.
Luria Bertani Broth, Miller (Miller Luria Bertani Broth)	Himedia	M1245-1KG	Used as rich media to grow bacteria.
Marine Agar 2216 (Zobell Marine Agar)	Himedia	M384-500G	Used as rich media to grow bacteria.
Orbital-Shaker Incubator			Used to incubate liquid media and oil.
Plates Incubator			Used to incubate plates.
Porcelain Mortar and Pestle	Thomas scientific/United Scientific Supplies	1201U69/JMD150	Used to macerate coral fragments.
Qubit 2.0 Fluorometer	Invitrogen		Used for nucleic acids quantification of DNA and PCR products.
Refrigerated Centrifuge			Used to centrifuge bacterial cultures.
Spectrophotometer			Used to measure optical density of bacterial cultures.
Wizard Genomic DNA Purification kit	Promega	A1120	Used for microbial strains DNA extraction.