

1515. OCEANIRHABDUS MEDIUM

Na ₂ SO ₄	1.0	g
NaCl	30.0	g
KCl	0.7	g
MgCl ₂ x 6 H ₂ O	5.0	g
CaCl ₂ x 2 H ₂ O	1.0	g
K ₂ HPO ₄	0.4	g
KH ₂ PO ₄	0.4	g
NH ₄ Cl	0.5	g
(NH ₄) ₂ Fe(SO ₄) ₂ x 6 H ₂ O solution (0.1% w/v)	2.0	ml
Trace elements solution SL-10 (see medium 320)	1.0	ml
Yeast extract (OXOID)	3.0	g
Tryptone (BD Bacto)	4.0	g
Na-acetate	6.8	g
Na-resazurin solution (0.1% w/v)	0.5	ml
L-Cysteine-HCl x H ₂ O	0.6	g
NaHCO ₃	2.5	g
Distilled water	1000.0	ml

Dissolve ingredients except cysteine and bicarbonate, then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Add and dissolve cysteine, adjust pH to 6.5, then dispense medium under 80% N₂ and 20% CO₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Prior to use adjust pH of complete medium to 6.5 - 7.0, if necessary.