

514e. MARINE BROTH (ANAEROB)

Peptone (BD Bacto)	5.00	g
Yeast extract (BD Bacto)	1.00	g
NaCl	19.45	g
MgCl ₂ (anhydrous)	5.90	g
Na ₂ SO ₄	3.24	g
KCl	0.55	g
NaHCO ₃	0.16	g
KBr	0.08	g
SrCl ₂	34.00	mg
H ₃ BO ₃	22.00	mg
Na-silicate	4.00	mg
NaF solution (0.1% w/v)	2.40	ml
(NH ₄)NO ₃ solution (0.1% w/v)	1.60	ml
Na ₂ HPO ₄ solution (0.1% w/v)	8.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
L-Cysteine-HCl x H ₂ O	0.30	g
Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	1000.00	ml

Dissolve ingredients except cysteine and sulfide, then sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Prior to use check pH of complete medium and adjust to 7.3 – 7.5, if necessary.