



14 - Brackish Medium

(Artificial Seawater Medium with Vitamins. a brackish/ half-strength = ASM15 + V)
(after J. Brand, from Starr & Zeikus 1993, modified)

Preparation: to 944 mL of glass-distilled water, add NaCl (half-strength = 15 g NaCl) and 1 g TRIS (SERVA). Then add: ml

stock solution g/100 mL
H₂O

10	MgSO ₄ · 7H ₂ O	24.4
10	KCl	6.0
10	NaNO ₃	10.0
10	CaCl ₂ · 2H ₂ O	3.0
10	KH ₂ PO ₄	0.5
6	trace element solution	

Adjust to pH 8.0 with 1 N HCl

add (in sterile conditions): vitamin B₁₂ (*) 0,5 ml/l

vitamin B₁ (0,12 g/ 100 ml H₂O) 0,5 ml/l

(*) prepared in two steps: dilute 100 mg B12 in 100 ml H₂O, than dilute 1 ml of this stock solution in 99 ml H₂O.

trace element solution:

add (in sterile conditions): vitamin B₁₂ (*) 0,5 ml/l

vitamin B₁ (0,12 g/ 100 ml H₂O) 0,5 ml/l

add (in sterile conditions): vitamin B12 (*) 0,5 ml/l

vitamin B1 (0,12 g/ 100 ml H₂O) 0,5 ml/l

add (in sterile conditions): vitamin B12 (*) 0,5 ml/l

vitamin B1 (0,12 g/ 100 ml H₂O) 0,5 ml/l