

514a: HALF STRENGTH BACTO MARINE BROTH

This recipe contains strain-specific modifications for *Rhodothermus profundus* DSM 22212 *

Final pH: 7.6

Final volume: 1000 ml

Main sol. 514	500.00	ml
Distilled water	500.00	ml
Agar, for solid medium	15.00	g/l
NaCl	10.00	g/l

- 1/2 strength medium 514. If using Difco Bacto Marine Broth use 18.7 g/l.
- Final pH 7.6. The medium may be solidified by adding 15 g/l agar.

* Plus 1% NaCl

Main sol. 514 (from medium 514)

Bacto peptone	5.00	g
Yeast extract (Bacto)	1.00	g
Fe(III) citrate	0.10	g
NaCl	19.45	g
MgCl ₂ (anhydrous)	5.90	g
Na ₂ SO ₄	3.24	g
CaCl ₂	1.80	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	2.40	mg
(NH ₄)NO ₃	1.60	mg
Na ₂ HPO ₄	8.00	mg
Distilled water	1000.00	ml

Final pH should be 7.6 ± 0.2 at 25°C. If using the complete medium from Difco add 37.40 g to 1 litre water.