

142a. THIOMICROSPIRA PSYCHROPHILA MEDIUM

NaCl	15.00	g
(NH ₄) ₂ SO ₄	1.00	g
MgSO ₄ x 7 H ₂ O	1.50	g
CaCl ₂ x 2 H ₂ O	0.42	g
Trace element solution SL-10 (see medium 320)	1.00	ml
Bromothymol blue solution (0.1% w/v)	4.00	ml
K ₂ HPO ₄	0.50	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	5.00	g
Seven vitamins solution (see medium 503)	1.00	ml
Distilled water	1000.00	ml

Dissolve ingredients (except hydrogenphosphate, thiosulfate and vitamins), adjust pH to 6.0 and autoclave. Phosphate and thiosulfate are autoclaved separately each in 5% of the final volume. The vitamin solution is sterilized by filtration. Adjust pH of the complete medium to 7.6 with a sterile 5% (w/v) Na₂CO₃ solution.

For [DSM 111584](#) and [DSM 111593](#) add to the autoclaved medium 20.00 ml/l 1 M HEPES buffer (pH adjusted to 7.5) sterilized by filtration.