

Media for freshwater, terrestrial, hot spring and salt water algae

CA

Ca(NO ₃) ₂ · 4H ₂ O	2 mg
KNO ₃	10 mg
NH ₄ NO ₃	5 mg
β-Na ₂ glycerophosphate · 5H ₂ O	3 mg
MgSO ₄ · 7H ₂ O	2 mg
Vitamin B ₁₂	0.01 µg
Biotin	0.01 µg
Thiamine HCl	1 µg
PIV metals ¹⁾	0.1 mL
Fe (as EDTA; 1:1 molar) ²⁾	0.1 mL
HEPES	40 mg
Distilled water	99.9 mL
pH 7.2	

Reference

Ichimura, T., Watanabe, M. 1974 The *Closterium calosporum* complex from the Ryukyu Islands - Variation and taxonomical problems. *Mem. Natn. Sci. Mus. Tokyo*, **7**, 89-102, pls. 13-14.

P IV metals

Na ₂ EDTA · 2H ₂ O	100 mg
FeCl ₃ · 6H ₂ O	19.6 mg
MnCl ₂ · 4H ₂ O	3.6 mg
ZnCl ₂ ¹⁾	1.04 mg
CoCl ₂ · 6H ₂ O	0.4 mg
Na ₂ MoO ₄ · 2H ₂ O	0.25 mg
Distilled water	100 mL

1) In the NIES-Collection, 1.04 mg ZnCl₂ is replaced by 2.2mg ZnSO₄ · 7H₂O.

Reference

Provasoli, L., Pintner, I. J. 1959 Artificial media for fresh-water algae: problems and suggestions. In *The Ecology of Algae. Spec. Pub. No. 2.*, Eds. by Tryon, C. A., Jr. & Hartmann, R. T., Pymatuning Laboratory of Field Biology, University of Pittsburgh, Pittsburgh, p. 84-96.

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Fe (as EDTA; 1:1 molar)

Fe(NH ₄) ₂ (SO ₄) ₂ · 6H ₂ O	70.2 mg
Na ₂ EDTA · 2H ₂ O	66 mg
Distilled water	100 mL

1 mL of this solution contains 0.1 mg Fe.

Reference

Provasoli, L. 1966 Media and prospects for the cultivation of marine algae. In *Cultures and Collections of Algae*, Eds. by Watanabe, A. & Hattori, A., Proc. U.S.-Japan Conf., Hakone, Sept. 1966., Jpn. Soc. Plant Physiol., p. 63-75.