

CAM

CA medium with pH adjusted to 6.5 by buffering with MES instead of HEPES.

CA

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| 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 mg |
| 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.

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

Fe (as EDTA; 1:1 molar)

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|---|---------|
| 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.