

Modified acetate medium (mAC)

To 100 mL AF-6 medium, add 40mg glucose, yeast extract, tryptone, and sodium acetate.

Reference

Nozaki, H., Watanabe, M. M. & Aizawa, K. 1995 Morphology and paedogamous sexual reproduction in *Chlorogonium capillatum* sp. nov. (Volvocales, Chlorophyta). *J. Phycol.*, **31**, 655-663.

AF-6

| | |
|---------------------------------------|---------|
| NaNO ₃ | 14 mg |
| NH ₄ NO ₃ | 2.2 mg |
| MgSO ₄ · 7H ₂ O | 3 mg |
| KH ₂ PO ₄ | 1 mg |
| K ₂ HPO ₄ | 0.5 mg |
| CaCl ₂ · 2H ₂ O | 1 mg |
| CaCO ₃ ¹⁾ | 1 mg |
| Fe-citrate | 0.2 mg |
| Citric acid | 0.2 mg |
| Biotin | 0.2 µg |
| Thiamine HCl | 1 µg |
| Vitamin B ₆ | 0.1 µg |
| Vitamin B ₁₂ | 0.1 µg |
| Trace metals ¹⁾ | 0.5 mL |
| Distilled water | 99.5 mL |
| pH 6.6 ²⁾ | |

1) In the NIES-Collection, CaCO₃ is removed and PIV metals are used instead of Trace metals.

2) In the NIES-Collection, 40 mg MES is added and pH is adjusted to 6.6.

Reference

Kato, S. 1982 Laboratory culture and morphology of *Colacium vesiculosum* Ehrb. (Euglenophyceae). *Jpn. J. Phycol.*, **30**, 63-67 (in Japanese with English summary).

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

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.