

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

1) In the NIES-Collection, CaCO<sub>3</sub> 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

$\text{Na}_2\text{EDTA} \cdot 2\text{H}_2\text{O}$	100 mg
$\text{FeCl}_3 \cdot 6\text{H}_2\text{O}$	19.6 mg
$\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$	3.6 mg
$\text{ZnCl}_2^{1)}$	1.04 mg
$\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	0.4 mg
$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$	0.25 mg
Distilled water	100 mL

1) In the NIES-Collection, 1.04 mg  $\text{ZnCl}_2$  is replaced by 2.2mg  $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ .

### 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.