

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

### CSi

C medium with pH adjusted to 7.0 by buffering with 50 mg HEPES instead of Tris (hydroxymethyl) aminomethane. Thereafter, 10 mg Na<sub>2</sub>SiO<sub>3</sub>·9H<sub>2</sub>O is added.

### C

Ca(NO <sub>3</sub> ) <sub>2</sub> · 4H <sub>2</sub> O	15 mg
KNO <sub>3</sub>	10 mg
β-Na <sub>2</sub> glycerophosphate · 5H <sub>2</sub> O	5 mg
MgSO <sub>4</sub> · 7H <sub>2</sub> O	4 mg
Vitamin B <sub>12</sub>	0.01 µg
Biotin	0.01 µg
Thiamine HCl	1 µg
PIV metals	0.3 mL
Tris (hydroxymethyl) aminomethane	50 mg
Distilled water	99.7 mL
pH 7.5	

Add 1.5 g agar to 100 mL of medium to give a solid medium.

### Reference

Ichimura, T. 1971 Sexual cell division and conjugation-papilla formation in sexual reproduction of *Closterium strigosum*. In *Proceedings of the Seventh International Seaweed Symposium*, University of Tokyo Press, Tokyo, p. 208-214.

### P IV metals

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

1) In the NIES-Collection, 1.04 mg ZnCl<sub>2</sub> is replaced by 2.2mg ZnSO<sub>4</sub> · 7H<sub>2</sub>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.