

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

C/6G

Mix 1 volume of C medium and 5 volumes of Lake Nojiri water (sterilized through GF/F filter, and store at 5°C).

C

Ca(NO ₃) ₂ · 4H ₂ O	15 mg
KNO ₃	10 mg
β-Na ₂ glycerophosphate · 5H ₂ O	5 mg
MgSO ₄ · 7H ₂ O	4 mg
Vitamin B ₁₂	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 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.