

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

### CB-V

Make B-V medium with C medium.

### B-V

Appropriate medium	100 mL
Sodium acetate	50 mg
Glucose	50 mg
Tryptone	50 mg
Yeast extract	30 mg

### Reference

Ichimura, T., Watanabe, M. M. 1977 An axenic clone of *Microcystis aeruginosa* Kutz. emend. Elenkin from Lake Kasumigaura. *Bull. Jpn. Soc. Phycol.*, **25**, 177-181.

### 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.

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**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
$\text{ZnCl}_2$ <sup>1)</sup>	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.