

CSi + Cu

To 100 mL CSi medium add 0.25 mg $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ and 100 mg agar.

CSi

C medium with pH adjusted to 7.0 by buffering with 50mg HEPES instead of Tris (hydroxymethyl) amino-methane. Thereafter, 10 mg $\text{Na}_2\text{SiO}_3 \cdot 9\text{H}_2\text{O}$ is added.

C

$\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$	15 mg
KNO_3	10 mg
$\beta\text{-Na}_2\text{glycerophosphate} \cdot 5\text{H}_2\text{O}$	5 mg
$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	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

$\text{Na}_2\text{EDTA} \cdot 2\text{H}_2\text{O}$	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
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 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.