

AF-6 + Wheat

Beforehand, sterilize wheat grains by dry heating (150°C, 30 min). Keep in a cool place. For use, add a grain of sterile wheat to 10 mL AF-6 medium.

AF-6

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

In the NIES-Collection, CaCO₃ is removed and PIV metals are used instead of Trace metals.

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).

P IV metals

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

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.