Bold 3N

$NaNO_3$	75	mg
$CaCl_2 \cdot 2H_2O$	2.5	mg
$MgSO_4 \cdot 7H_2O$	7.5	mg
K_2HPO_4	7.5	mg
KH_2PO_4 1)	17.5	mg
NaCl	2.5	mg
Vitamin B_{12} 2)	0. 015	µg
PIV metals	0.6	mL
Soil extract	4	mL
Distilled water	96.4	mL

1) In the NIES-Collection, the amount of KH_2PO_4 is reduced from 17.5 mg to 10.5 mg.
2) In the NIES-Collection, the amount of vitamin B_{12} is increased from 0.015 µg to 0.02 µg.

P IV metals

$Na_2EDTA \cdot 2H_2O$	100	mg
$FeCl_3 \cdot 6H_2O$	19.6	mg
$MnCl_2 \cdot 4H_2O$	3.6	mg
$ZnCl_2$ 1)	1.04	mg
$CoCl_2 \cdot 6H_2O$	0.4	mg
$Na_2MoO_4 \cdot 2H_2O$	0.25	mg
Distilled water	100	mL

1) In the NIES-Collection, 1.04 mg $ZnCl_2$ is replaced by 2.2mg $ZnSO_4 \cdot 7H_2O$.

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.

Soil extract

To 1000 mL distilled water add 200 mL of soil (soil from undisturbed deciduous woodland is best) and heat by autoclaving for 1 h at 105°C. When cool, heat by autoclaving for 1 h at 105°C again. Pass the supernatant through a GF/C filter and Celite, and then pass the filtrate through a GF/F filter. Adjust to 1000 mL by adding distilled water. Dispense 10 mL of the final filtrate into each test tube and sterilize by autoclaving for 20min at 121°C. Keep in a cool place.

Reference
Provasoli, L., McLaughlin, J. J. A., Droop, M. R. 1957 The development of artificial media for marine algae. *Arch. Mikrobiol.*, **25**, 392-428.