URO–H + Wheat

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

URO–H

To 100 mL URO medium add 40 mg HEPES.

URO

NH_4NO_3	0.5 mg
β-Na_2glycerophosphate · $5H_2O$	0.4 mg
$MgSO_4 \cdot 7H_2O$	1 mg
$CaCl_2 \cdot 2H_2O$	1 mg
KCl	0.1 mg
Thiamine HCl	1 µg
Vitamin B_{12}	0.01 µg
Biotin	0.01 µg
Fe-EDTA	0.05 mg
PIV metals	0.1 mL
Distilled water	99.9 mL
pH 7.5[1)]	

1) pH is adjusted to 7.5 with 0.1 mol/L HCl.

Reference
Kimura, B., Ishida, Y. 1985 Photophagotrophy in *Uroglena americana*, Chrysophyceae. *Jpn. J. Limnol.*, **46**, 315-318.
Nakahara, H., Sako, Y. 1987 2. Life history of freshwater phytoplankton [2. Tansui syokubutsu purankuton no seikatsushi]. In *Freshwater red tide* [*Tansui Akashio*], Ed. by Kadota, H., Kôseisya-Kôseikaku, Tokyo, p. 21-77 (in Japanese without English title).

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.