

## Media for protozoa

### f/2 + mTYGM-9 + Rice

Beforehand, sterilize polished rice by dry heating (150°C, 30 min). Keep in a cool place. For use, add 500 µL mTYGM-9 and a grain of sterile rice to 10 mL f/2 medium.

#### mTYGM-9

##### Pre-solution

K <sub>2</sub> HPO <sub>4</sub>	0.28 g
KH <sub>2</sub> PO <sub>4</sub>	40 mg
Casein Digest	0.2 g
Yeast extract	0.1 g
NaCl	0.75 g
Mucin, gastric	0.2 g
Distilled water	97 mL

Sterilize Pre-solution by autoclaving (121°C, 15 min) , add aseptically 3 mL horse serum and 50 µL 10% Tween 80 dissolved in absolute ethanol (both filter-sterilized). Keep in a cool place.

#### f/2

NaNO <sub>3</sub>	7.5 mg
NaH <sub>2</sub> PO <sub>4</sub> · 2H <sub>2</sub> O	0.6 mg
Vitamin B <sub>12</sub>	0.05 µg
Biotin	0.05 µg
Thiamine HCl	10 µg
Na <sub>2</sub> SiO <sub>3</sub> · 9H <sub>2</sub> O	1 mg
f/2 metals	0.1 mL
Seawater	99.9 mL

#### Reference

Guillard, R. R. L., Ryther, J. H. 1962 Studies of marine planktonic diatoms. I. *Cyclotella nana* Hustedt, and *Detonula confervacea* (Cleve) Gran. *Can. J. Microbiol.*, **8**, 229-239.