

Table 2. Composition of algae media for two nutrient conditions

Compound	High Quality (HiQ) (N:P=15:1)		Low Quality (LoQ) (N:P = 110:1)	
	Stock, g·liter <sup>-1</sup>	Final medium, mg·liter <sup>-1</sup>	Stock, g·liter <sup>-1</sup>	Final medium, mg·liter <sup>-1</sup>
CaCl <sub>2</sub> ·H <sub>2</sub> O	36.76	36.76	36.76	36.76
MgSO <sub>4</sub> ·7H <sub>2</sub> O	36.97	36.97	36.97	36.97
K <sub>2</sub> HPO <sub>4</sub>	11.60	11.60	1.58	1.58
NaNO <sub>3</sub>	85.01	85.01	85.01	85.01
NaHCO <sub>3</sub>	12.60	12.60	12.60	12.60
Na <sub>2</sub> SiO <sub>3</sub> ·9H <sub>2</sub> O	28.42	28.42	28.42	28.42
KCl	0	0	8.57	8.57
Na <sub>2</sub> EDTA·2H <sub>2</sub> O	4.36	4.36	4.36	4.36
	Trace Elements			
FeCl <sub>3</sub> ·H <sub>2</sub> O	3.15	3.15	3.15	3.15
MnCl <sub>2</sub> ·4H <sub>2</sub> O	0.18	0.18	0.18	0.18
CuSO <sub>4</sub> ·5H <sub>2</sub> O	0.01	0.01	0.01	0.01
ZnSO <sub>4</sub> ·7H <sub>2</sub> O	0.022	0.022	0.022	0.022
CoCl <sub>2</sub> ·6H <sub>2</sub> O	0.01	0.01	0.01	0.01
MoO <sub>24</sub> (6NH <sub>4</sub> )·4H <sub>2</sub> O	0.006	0.006	0.006	0.006
	Vitamins			
Biotin	0.005	0.005	0.005	0.005
Thiamin	0.1	0.1	0.1	0.1
Pyridoxine	0.1	0.1	0.1	0.1
Pyridoxamine	0.003	0.003	0.003	0.003
Calcium Panthothenate	0.25	0.25	0.25	0.25
B12	0.001	0.001	0.001	0.001
Nicotinic Acid	0.05	0.05	0.05	0.05
Nicotinamide	0.05	0.05	0.05	0.05
Folic Acid	0.02	0.02	0.02	0.02
Riboflavin	0.03	0.03	0.03	0.03
Inositol	0.09	0.09	0.09	0.09

Table 2. Composition of Daphnia media for maintenance cultures and experiments

Compound	COMBO (maintenance cultures)		P-free COMBO	
	Stock (g/liter)	Final medium (mg/liter)	Stock (g/liter)	Final medium (mg/liter)
CaCl <sub>2</sub> ·H <sub>2</sub> O	36.76	36.76	36.76	36.76
MgSO <sub>4</sub> ·7H <sub>2</sub> O	36.97	36.97	36.97	36.97
K <sub>2</sub> HPO <sub>4</sub>	8.71	8.71	0	0
NaNO <sub>3</sub>	85.01	85.01	85.01	85.01
NaHCO <sub>3</sub>	12.60	12.60	12.60	12.60
Na <sub>2</sub> SiO <sub>3</sub> ·9H <sub>2</sub> O	28.42	28.42	28.42	28.42
H <sub>3</sub> BO <sub>3</sub>	24.00	24.00	24.00	24.00
KCl	0	0	8.57	8.57
NaSe <sub>2</sub> O <sub>3</sub>	0.002	0.002	0.002	0.002
	Animal trace elements			
LiCl	0.155	0.155	0.155	0.155
RbCl	0.07	0.07	0.07	0.07
SrCl <sub>2</sub> ·6H <sub>2</sub> O	0.15	0.15	0.15	0.15
NaBr	0.016	0.016	0.016	0.016
KI	0.0033	0.0033	0.0033	0.0033