

f/2 + Si (Guillard's medium for diatoms)

Stocks	per litre
(1) Trace elements (chelated)	
NA ₂ EDTA	4.16 g
FeCl ₃ .6H ₂ O	3.15 g
CuSO ₄ .5H ₂ O	0.01 g
ZnSO ₄ .7H ₂ O	0.022 g
CoCl ₂ .6H ₂ O	0.01 g
MnCl ₂ .4H ₂ O	0.18 g
Na ₂ Mo ₄ .2H ₂ O	0.006 g
(2) Vitamin mix	
Cyanocobalamin (Vitamin B ₁₂)	0.0005 g
Thiamine HCl (Vitamin B ₁)	0.1 g
Biotin	0.0005 g
(3) Sodium metasilicate	
Na ₂ SiO ₃ .9H ₂ O	30.0g

Medium	per litre
NaNO ₃	0.075 g
NaH ₂ PO ₄ .2H ₂ O	0.00565 g
Trace elements stock solution (1)	1.0 ml
Vitamin mix stock solution (2)	1.0 ml
Sodium metasilicate stock solution (3) *	1.0 ml

* Add while stirring

Make up to 1 litre with filtered natural seawater. Adjust pH to 8.0 with 1M NaOH or HCl. Sterilise by autoclaving for 15 minutes at 15 psi and use when cooled to room temperature.