

## K minimum

Marine dinoflagellates

<b>Stocks</b>	<b>per litre</b>
(1) Trace elements	
Na <sub>2</sub> EDTA	4.36 g
Fe Cl <sub>3</sub> .6H <sub>2</sub> O	3.15 g
ZnSO <sub>4</sub> .7H <sub>2</sub> O	0.022 g
CoCl <sub>2</sub> .6H <sub>2</sub> O	0.01 g
MnCl <sub>2</sub> .4H <sub>2</sub> O	0.18 g
Na <sub>2</sub> MoO <sub>4</sub> .2H <sub>2</sub> O	0.006 g
(2) Vitamin mix	
Cyanocobalamin (Vitamin B <sub>12</sub> )	0.0005 g
Thiamine HCl (Vitamin B <sub>1</sub> )	0.1 g
Biotin	0.0005 g
(3) Na <sub>2</sub> SeO <sub>3</sub>	0.002 g

<b>Medium</b>	<b>per litre</b>
NaNO <sub>3</sub>	0.075 g
NaH <sub>2</sub> PO <sub>4</sub> .2H <sub>2</sub> O	0.00565 g
Trace elements stock solution (1)	1.0 ml
Vitamin mix stock solution (2)	1.0 ml
Na <sub>2</sub> SeO <sub>3</sub> stock solution (3)	1.0 ml

Make up to 1 litre with filtered natural seawater. Adjust pH to 8.0 with 1M NaOH or HCl.

### Reference

Leftley JW after Keller DK, Selvin RC, Claus W & Guillard RRL (1987) Media for the culture of oceanic ultraphytoplankton. J. Phycol. **23**, 633-638.

1 September 1997