

## Modified Provasoli

<b>Stocks</b>		<b>per litre</b>
(1) PII trace metals		
Na <sub>2</sub> EDTA		1.0 g
H <sub>3</sub> BO <sub>3</sub>		1.12 g
MnSO <sub>4</sub> .H <sub>2</sub> O		0.12 g
ZnSO <sub>4</sub> .7H <sub>2</sub> O		0.022 g
CoSO <sub>4</sub> .7H <sub>2</sub> O		0.005 g
(2) Iron-EDTA		
Fe(NH <sub>4</sub> ) <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub> .6H <sub>2</sub> O		0.7 g
Na <sub>2</sub> EDTA		0.6 g

<b>Medium</b>	<b>Stock</b>	<b>per litre medium</b>
Na <sub>2</sub> β-glycero PO <sub>4</sub> .5H <sub>2</sub> O	50 g/litre	8.0 ml
NaNO <sub>3</sub>	35 g/litre	110 ml
Iron-EDTA (2)		100 ml
Vitamin B <sub>12</sub>	0.01 g/litre	8.75 ml
Thiamine	0.5 g/litre	8.0 ml
Biotin	0.005 g/litre	8.0 ml
PII trace metals (1)		200 ml

To prepare final medium, dispense the above into 10 ml aliquots and sterilize by autoclaving. Finally, to use add 10 ml per litre to sterile 30 ppt filtered seawater.

### Reference

West JA & McBride DL (1999) Long term and diurnal carpospore discharge patterns in the Ceramiaceae, Rhodomelaceae and Delesseriaceae (Rhodophyta). *Hydrobiologia*. **398-399**, 101-114.

April 2004