

## PES 原液を 2L 作製するためのレシピ

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NaNO <sub>3</sub>	4.7 g
Na <sub>2</sub> glycerophosphate•5H <sub>2</sub> O	0.7 g
HEPES	6.5 g
Na <sub>2</sub> EDTA•2H <sub>2</sub> O	520 mg
Fe(NH <sub>4</sub> ) <sub>2</sub> (SO <sub>4</sub> ) <sub>2</sub> •6H <sub>2</sub> O	227.5 mg
H <sub>3</sub> BO <sub>3</sub>	370.5 mg
FeCl <sub>3</sub> •6H <sub>2</sub> O	15.925 mg
MnSO <sub>4</sub> •H <sub>2</sub> O	53.3 mg
ZnSO <sub>4</sub> •7H <sub>2</sub> O	7.15 mg
CoCl <sub>2</sub> •6H <sub>2</sub> O	1.56 mg
*Vitamin mix for PES	3 mL
total	2 L (pH 7.8)
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*Vitamin mix for PES	100 mL 中
HEPES (pH 7.8)	3.6 g
Vitamin B <sub>12</sub>	13.5 mg
Biotin	2.5 mg
Thiamine	110 mg

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Add HEPES to ca. 1 L H<sub>2</sub>O first to adjust the solution to pH 7.8.

seawater 2.5 L に対して	50 mL (full strength)	10 本	500 mL
	25 ml (1/2 strength)	40 本	1000 mL
	12.5 mL (1/4 strength)	40 本	500 mL

Reference . . . <http://www.utex.org/>