

Marine Basal Media

Matthew Sullivan

Abstract

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Guidelines

per L:

20 g Sea Salts*
250 ml Basal Media
50 ml FeEDTA Stock
700 ml DIH₂O
0.1% vitamin supplement (optional)*

*FeEDTA, carbon substrate and vitamins are added post-autoclaving once media has cooled to ~50°C.

Basal Media

150 ml 1M Tris HCl pH 7.5
87 mg K₂HPO₄
1.5 g NH₄Cl
375 ml DIH₂O

(It's not a typo the total volume is 525 ml.) Autoclave and store at room temp.

FeEDTA Stock Soln

50 mg FeEDTA (Ethylenediamine tetraacetic acid; ferric-sodium salt)*
100 ml DIH₂O

Autoclave and store at room temp.

Vitamin Supplement for Minimal Media

per 100ml:

2 mg biotin
2 mg folic acid
10 mg pyridoxine-HCl
5 mg riboflavin

5 mg thiamine
5 mg nicotinc acid
5 mg pantothenic acid
0.1 mg cyanocobalamin
5 mg p -aminobenzoic acid

Filter sterilize and store at 4°C.

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