

### 1L of ASP-8A Media

Combine all of the following ingredients in 1 L of di water.

25 g NaCl

10 mL 1M KCL

20 mL 1.8M MgSO<sub>4</sub>·7H<sub>2</sub>O

10 mL 0.75 M CaCl<sub>2</sub>·2H<sub>2</sub>O

1 mL 0.58 M NaNO<sub>3</sub>

1 mL 0.073 M KH<sub>2</sub>PO<sub>4</sub>

1 mL 0.157 M NTA

10 mL 0.825 M Tris Base pH 9

1 mL 12.5 mM NH<sub>4</sub>NO<sub>3</sub>

10 mL PII Metal Mix

4.8 mg CoSO<sub>4</sub>·7H<sub>2</sub>O

1 g EDTA·2Na

49 mg FeCl<sub>3</sub>·6H<sub>2</sub>O

1140 mg H<sub>3</sub>BO<sub>3</sub>

164 mg MnSO<sub>4</sub>·4H<sub>2</sub>O

22 mg ZnSO<sub>4</sub>·7H<sub>2</sub>O

0.25 mL 8A Vitamin Mix (2X)

10 mg p-aminobenzoic acid

0.5 mg Biotin

0.5 mg B12

500 mg Choline di H2 citrate

2.5 mg Folic acid

0.2 mg Folinic acid

1 g Inositol

100 mg Nicotinic acid

20 mg Orotic acid, mono Na salt

100 mg D-Pantothenic, hemi-Ca salt

20 mg Pyridoxamine, di HCl

40 mg Pyridoxine, HCl

40 mg Putrescine, di HCl

5 mg Riboflavin

200 mg Thiamine, HCl

800 mg Thiamine

100  $\mu$ L Vitamin B12

2.5 mL of 9.5 mM GeO<sub>2</sub>