

File S2

Extended Materials and Methods

Part 1: Materials.

Potassium phosphate buffer, pH 6.0, 1000ml

136 g KH₂PO₄

Add deionized water to 900 ml

Adjust pH to 6.0 with 5M KOH

Add deionized water to 1000 ml

Autoclave

Trace metal solution

1.86 g Na₂EDTA

0.69 g FeSO₄·7H₂O

0.20 g MnCl₂·4H₂O

0.29 g ZnSO₄·7H₂O

0.016 g CuSO₄

1000 ml deionized water

Autoclave and store in the dark

S-basal medium, 1000 ml

5.9 g NaCl

50 ml 1M potassium phosphate, pH 6.0

1000 ml deionized water

Autoclave

Potassium citrate 1M, 1000 ml

268.8 g tripotassium citrate

26.3 g citric acid monohydrate

Add 900 ml deionized water

Adjust pH to 6.0 with 5M KOH

Add deionized water to 1000 ml

Autoclave

Part 2: Preparation of S-complete medium

S-complete medium, 1000ml

977 ml S-basal medium

10 ml 1M potassium citrate, pH 6.0 (sterile)

10 ml Trace metals solution (sterile)

3 ml 1M CaCl₂ (sterile)

3 ml 1M MgSO₄ (sterile)

1 ml 5mg/ml Cholesterol (dissolved in EtOH)