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DEFINED MEDIUM FOR *RHODOCOCCUS ERYTHROPOLIS* AN12 (S12 MEDIUM)

Mix the following (1 liter):

14 ml 1 M (NH₄)₂SO₄ (F.C. 14 mM)
50 ml 1 M Potassium phosphate buffer pH 7.0 (F.C. 50 mM)
10 ml S10 "metal mix"
50 ml 40% (w/v) glucose or fructose (sterile-filtered)
876 ml MilliQ water (autoclaved)

1 M (NH₄)₂SO₄

132.13 g (NH₄)₂SO₄
add MilliQ water to 1000 ml
autoclave & store at room temperature

1 M Potassium phosphate buffer pH 7.0

113 g K₂HPO₄
47 g KH₂PO₄
add MilliQ water to 1000 ml
autoclave & store at room temperature

S10 "metal mix"

10 ml 2 M MgCl₂ (F.C. 200 mM) (sterile-filtered)
10 ml 0.7 M CaCl₂ (F.C. 70 mM) (sterile-filtered)
1 ml 0.5 M MnCl₂ (F.C. 5 mM) (sterile-filtered)
1 ml 10 mM ZnCl₂ (F.C. 100 μM) (sterile-filtered)
1 ml 50 mM FeCl₂ (F.C. 500 μM) (sterile-filtered)
1 ml 20 mM Thiamine-HCl (F.C. 200 μM) (sterile-filtered)
1 ml 17.2 mM CuSO₄ (F.C. 172 μM) (sterile-filtered)
1 ml 25.24 mM CoCl₂ (F.C. 252.4 μM) (sterile-filtered)
1 ml 24.19 mM Na₂MoO₄ (F.C. 241.9 μM) (sterile-filtered)
73 ml MilliQ water (autoclaved)
stored at 4 °C