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

Mix the following (1 liter):

14 ml	1 M $(NH_4)_2SO_4$	(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 $(NH_4)_2SO_4$

132.13 g $(NH_4)_2SO_4$
add MilliQ water to 1000 ml
autoclave & store at room temperature

1 M Potassium phosphate buffer pH 7.0

113 g K_2HPO_4
47 g KH_2PO_4
add MilliQ water to 1000 ml
autoclave & store at room temperature

S10 "metal mix"

10 ml	2 M	$MgCl_2$	(F.C.	200 mM)	(sterile-filtered)
10 ml	0.7 M	$CaCl_2$	(F.C.	70 mM)	(sterile-filtered)
1 ml	0.5 M	$MnCl_2$	(F.C.	5 mM)	(sterile-filtered)
1 ml	10 mM	$ZnCl_2$	(F.C.	100 µM)	(sterile-filtered)
1 ml	50 mM	$FeCl_2$	(F.C.	500 µM)	(sterile-filtered)
1 ml	20 mM	Thiamine-HCl	(F.C.	200 µM)	(sterile-filtered)
1 ml	17.2 mM	$CuSO_4$	(F.C.	172 µM)	(sterile-filtered)
1 ml	25.24 mM	$CoCl_2$	(F.C.	252.4 µM)	(sterile-filtered)
1 ml	24.19 mM	Na_2MoO_4	(F.C.	241.9 µM)	(sterile-filtered)
73 ml		MilliQ water (autoclaved)			

stored at 4 °C