

830d: R2A MEDIUM (MICROAEROBIC)

Yeast extract	0.50	g
Proteose peptone (BD DIFCO no. 3)	0.50	g
Casamino acids	0.50	g
Glucose	0.50	g
Starch, soluble	0.50	g
Na-pyruvate	0.30	g
K ₂ HPO ₄	0.30	g
MgSO ₄ x 7 H ₂ O	0.05	g
Distilled water	1000.00	ml

Dissolve ingredients, then sparge solution with 80% N₂ and 20% CO₂ gas mixture for at least 30 - 45 min to remove dissolved oxygen and to saturate the solution with CO₂. Dispense solution in vials suitable for anaerobic cultures (e.g. Balch-type tubes or serum vials) to 75% volume under air atmosphere. Close vials with butyl rubber septa to prevent free exchange of oxygen with the external atmosphere and autoclave. Adjust pH of the autoclaved medium to 5.0 - 5.5 using a sterile stock solution of sodium carbonate (5% w/v), prepared under 80% N₂ and 20% CO₂ gas mixture.

For DSM 25617: Adjust pH of complete medium to 7.2.