

## 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
Soluble starch	0.50	g
Na-pyruvate	0.30	g
K <sub>2</sub> HPO <sub>4</sub>	0.30	g
MgSO <sub>4</sub> x 7 H <sub>2</sub> O	0.05	g
Distilled water	1000.00	ml

Dissolve ingredients, then sparge solution with 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture for at least 30 – 45 min to remove dissolved oxygen and to saturate the solution with CO<sub>2</sub>. 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% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture.

For DSM 25617 adjust pH of complete medium to 7.2.