

634c. RCM MEDIUM (N₂/CO₂)

Dissolve dehydrated RCM medium (available from BD BBL, OXOID or MERCK) in distilled water and add 0.5 ml/l Na-resazurin solution (0.1% w/v), bring to the boil and cool to room temperature while sparging with 80% N₂ and 20% CO₂ gas mixture. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use, add 1.0 g of sodium carbonate per liter medium from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Check pH of medium after autoclaving and adjust pH to 6.8, if necessary.

For DSM 22607 and DSM 28717 adjust pH of medium after autoclaving to pH 7.3 – 7.5 using a sterile anoxic stock solution of Na₂CO₃ (5% w/v) prepared under 80% N₂ and 20% CO₂ gas atmosphere.