

61: THERMOANAEROBACTER MEDIUM

Final pH: 6.8 - 7.5

Final volume: 1000 ml

Tryptone (BD BBL)	10.00	g
Yeast extract	2.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
FeSO ₄ x 7 H ₂ O	0.20	g
Sucrose	10.00	g
Na ₂ SO ₃	0.20	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	0.08	g
Distilled water	1000.00	ml

Dissolve ingredients (except ferrous sulfate, sucrose, sulfite, and thiosulfate), adjust pH to 6.8 - 7.5, and sparge medium with 100% N₂ gas for 30 - 45 min to make it anoxic. Add ferrous sulfate, then dispense medium under the same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After sterilization add sucrose, sulfite, and thiosulfate from anoxic stock solutions prepared under 100% N₂ gas and sterilized by filtration. The stock solution of sulfite should be freshly prepared.

For DSM 8686, DSM 8690: Replace sucrose with 10.00 g/l D-xylose as substrate and adjust pH of medium to 5.2.

For DSM 15493: Replace sucrose with 3.00 g/l D-maltose.