

**211. THERMOANAEROBACTERIUM THERMOSULFUROGENES
MEDIUM**

KH ₂ PO ₄	0.3	g
Na ₂ HPO ₄ x 12 H ₂ O	5.3	g
NH ₄ Cl	1.0	g
MgCl ₂ x 6 H ₂ O	0.2	g
Trace elements solution (see medium 144)	10.0	ml
FeSO ₄ x 7 H ₂ O solution (0.1% w/v in 0.1 N H ₂ SO ₄)	1.5	ml
Yeast extract	1.0	g
Na-resazurin solution (0.1% w/v)	0.5	ml
D-Glucose	5.0	g
Vitamin solution (see medium 141)	5.0	ml
Na ₂ S x 9 H ₂ O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients (except glucose, vitamins and sulfide), adjust pH to 6.0, sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic. Dispense under same gas atmosphere into Hungate-type tubes or serum vials and autoclave. After sterilization add glucose and sulfide from anoxic stock solutions autoclaved under 100% N₂ gas and vitamins from a filter-sterilized anoxic stock solution prepared under 100% N₂. Adjust pH of complete medium to 6.0 – 6.5, if necessary.

For [DSM 8683](#), [DSM 8684](#) and [DSM 16487](#) adjust pH of complete medium to 5.5.