

895. ANAEROBRANCA GOTTSCHALKII MEDIUM

(NH ₄) ₂ SO ₄	1.00	g
NH ₄ Cl	0.40	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	0.10	g
K ₂ HPO ₄	0.50	g
MgSO ₄ x 7 H ₂ O	0.10	g
CaCl ₂ x 2 H ₂ O	0.05	g
NaCl	10.00	g
FeSO ₄ x 7 H ₂ O solution (0.1% w/v in 0.1 N H ₂ SO ₄)	2.00	ml
Trace element solution (see medium 141)	10.00	ml
Yeast extract (BD Bacto)	0.25	g
Tryptone (BD Bacto)	0.25	g
Na-resazurin solution (0.1% w/v)	0.50	ml
L-Cysteine-HCl x H ₂ O	0.50	g
Na ₂ CO ₃	3.00	g
Starch (soluble)	2.00	g
Vitamin solution (see medium 141)	10.00	ml
Distilled water	1000.00	ml

Dissolve all ingredients except cysteine, carbonate, starch and vitamins. Sparge medium with 100% N₂ gas for 30 – 45 min to make it anoxic, add cysteine and adjust pH to 7.5, then dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add starch and vitamins from sterile anoxic stock solutions prepared under 100% N₂ gas and carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas atmosphere. Vitamins should be sterilized by filtration. Adjust pH of complete medium to 9.3 – 9.5, if necessary.

For [DSM 14826](#) omit starch from the medium, increase the concentration of Tryptone to 2.00 g/l and supplement medium with 4.00 g/l Na₂S₂O₃ x 5 H₂O added to the medium from a sterile anoxic stock solution prepared under 100% N₂ gas.

For [DSM 14828](#) omit starch, add 5.00 g/l D-glucose and increase the concentration of Tryptone to 2.00 g/l. Adjust pH of complete medium to 9.0.