

616: ALKALITHERMOBACTER MEDIUM

Final pH: 10.0

Final volume: 1000 ml

Na ₂ HPO ₄ x 2 H ₂ O	0.36	g
KCl	0.08	g
Yeast extract (OXOID)	5.00	g
Tryptone (BD Bacto)	10.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
Na ₂ CO ₃	5.30	g
D-Glucose	3.00	g
L-Cysteine HCl x H ₂ O	0.20	g
Na ₂ S x 9 H ₂ O	0.20	g
Distilled water	1000.00	ml

Dissolve ingredients (except carbonate, glucose, cysteine and sulfide) and sparge medium with 100% N₂ gas for 30 - 45 min to make it anoxic. Add and dissolve carbonate, dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use add glucose, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas and adjust pH to 10 by adding sterile anoxic 3 N NaOH.

For DSM 8682: Reduce amount of carbonate to 4.40 g/l and adjust pH of complete medium to 9.0.