

104b: PY + X MEDIUM

This recipe contains strain-specific modifications for *Alkaliphilus oremlandii* DSM 21761 *

Final pH: * 7.5 - 8.0

Final volume: 1000 ml

Trypticase peptone (BD BBL)	5.00	g
Meat peptone (pepsin-digested)	5.00	g
Yeast extract	10.00	g
Salt solution	40.00	ml
Sodium resazurin (0.1% w/v)	0.50	ml
L-Cysteine HCl x H ₂ O	0.50	g
D-Glucose	5.00	g
D-Fructose	5.00	g
Distilled water	960.00	ml

Dissolve ingredients (except cysteine and glucose) and sparge medium with 100% N₂ gas for 30 - 45 min to make it anoxic. Add cysteine and adjust pH to 7.0, then dispense medium under 100% N₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After autoclaving add glucose or any other substrate from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere. Adjust pH of complete medium to 6.8 - 7.0, if necessary.

* Replace glucose with 5.0 g/l D-fructose added after autoclaving from an anoxic stock solution and adjust pH to 7.5 - 8.0.

Salt solution (from medium 104)

CaCl ₂ x 2 H ₂ O	0.25	g
MgSO ₄ x 7 H ₂ O	0.50	g
K ₂ HPO ₄	1.00	g
KH ₂ PO ₄	1.00	g
NaHCO ₃	10.00	g
NaCl	2.00	g
Distilled water	1000.00	ml