

## 104b: PY + X MEDIUM

This recipe contains strain-specific modifications for *Aminicella lysinilytica* DSM 28287 \*

Final pH: 6.8 - 7.0

Final volume: 1000 ml

Trypticase peptone (BD BBL)	5.00	g
Meat peptone (pepsin-digested)	5.00	g
Yeast extract	10.00	g
<b>Salt solution</b>	40.00	ml
Sodium resazurin (0.1% w/v)	0.50	ml
L-Cysteine HCl x H <sub>2</sub> O	0.50	g
D-Glucose	5.00	g
<b>L-Lysine</b>	<b>30.00</b>	<b>mM</b>
Distilled water	960.00	ml

Dissolve ingredients (except cysteine and glucose) and sparge medium with 100% N<sub>2</sub> gas for 30 - 45 min to make it anoxic. Add cysteine and adjust pH to 7.0, then dispense medium under 100% N<sub>2</sub> 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% N<sub>2</sub> gas atmosphere. Adjust pH of complete medium to 6.8 - 7.0, if necessary.

\* Plus 30 mM Lysine, and vitamin mixture as indicated in medium 141; anaerobic

### Salt solution (from medium 104)

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