

## 104c. PY + X MEDIUM (N<sub>2</sub>/CO<sub>2</sub>)

Trypticase peptone (BD BBL)	5.0	g
Peptone from meat (pepsin-digested)	5.0	g
Yeast extract	10.0	g
Salt solution (see medium 104)	40.0	ml
Na-resazurin solution (0.1% w/v)	0.5	ml
L-Cysteine-HCl x H <sub>2</sub> O	0.5	g
Na <sub>2</sub> CO <sub>3</sub>	2.5	g
D-Glucose	5.0	g
Distilled water	1000.0	ml

Dissolve ingredients (except cysteine, carbonate and glucose) and sparge medium with 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas mixture for 30 - 45 min to make it anoxic. Add cysteine, then dispense under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add glucose from a sterile anoxic stock solution prepared under 100% N<sub>2</sub> gas atmosphere and carbonate from a sterile anoxic stock solution prepared under 80% N<sub>2</sub> and 20% CO<sub>2</sub> gas atmosphere. Adjust pH of complete medium to 7.0, if necessary.

For [DSM 753](#) replace glucose with 10.0 g/l maltose.

For [DSM 7320](#) adjust pH to **6.3**.