

104b. PYX-MEDIUM

Trypticase peptone	5.0	g
Peptone from meat (pepsin-digested)	5.0	g
Yeast extract	10.0	g
Glucose	5.0	g
Resazurin	1.0	mg
Salt solution (see medium 104)	40.0	ml
Cysteine-HCl x H ₂ O	0.5	g
Distilled water	1000.0	ml

Dissolve ingredients (except glucose and cysteine), boil medium for 1 min., then cool to room temperature under N₂ gas atmosphere. Add cysteine and adjust pH to 7.0. Thereafter, dispense under N₂ gas atmosphere in culture vessels and autoclave. After autoclaving add glucose or any other substrate from a sterile, anoxic stock solution prepared under N₂.

For [DSM 753](#), [DSM 6589](#), [DSM 7320](#), [DSM 15930](#), [DSM 17592](#) and [DSM 19522](#) prepare medium under 80% N₂ and 20% CO₂ gas atmosphere. Adjust pH of autoclaved medium with an anoxic, sterile stock solution of NaHCO₃ (5% w/v) prepared under 80% N₂ and 20% CO₂.

For [DSM 753](#) replace glucose with 10 g/l maltose.

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

For [DSM 12857](#), [DSM 13479](#) and [DSM 13480](#) omit glucose.

For [DSM 13181](#) reduce amount of glucose to 2.0 g/l.

For [DSM 14760](#), [DSM 14761](#) and [DSM 14762](#) omit glucose and replace it with 8.0 g/l Na₂-succinate added after autoclaving from an anoxic stock solution sterilized by filtration.

For [DSM 19022](#) replace glucose with 2.0 g/l Na-pyruvate.

For [DSM 21120](#) replace glucose with 5.0 g/l Na-glutamate and supplement medium after autoclaving with 1 ml/l of a sterile anoxic stock solution of the vitamins solution of medium 503.

For [DSM 21650](#) omit glucose and adjust pH to 8.5.

For [DSM 21761](#) replace glucose with 10 g/l fructose and adjust pH to 7.5 – 8.0.