

104b: PY + X MEDIUM

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
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.

For [DSM 1736](#): Replace glucose with 5.0 g/l D-fructose added after autoclaving from an anoxic stock solution.

For [DSM 6555](#): Replace glucose with 5.0 g/l xylan.

For [DSM 12857](#), [DSM 13479](#), [DSM 13480](#): Omit glucose.

For [DSM 13181](#): Reduce amount of D-glucose to 2.0 g/l.

For [DSM 19022](#): Replace glucose with 2.0 g/l Na-pyruvate added after autoclaving from an anoxic stock solution sterilized by filtration.

For [DSM 19023](#), [DSM 100431](#), [DSM 109966](#): Replace glucose with 5.0 g/l cellobiose added to the autoclaved medium from an anoxic stock solution sterilized by filtration. Adjust pH to 7.4 using a sterile anoxic stock solution of Na₂CO₃ (5% w/v) prepared under 80% N₂ and 20% CO₂ gas atmosphere

For [DSM 21120](#): Replace glucose with 5.0 g/l Na-L-glutamate and supplement medium after autoclaving with 1.0 ml/l of a sterile anoxic seven vitamins solution (see medium 503).

For [DSM 21761](#): 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.

For [DSM 24749](#): Supplement medium with 10.0 g/l NaCl and replace glucose with 5.0 g/l D-fructose added after autoclaving from an anoxic stock solution. Adjust pH to 7.3 - 7.5.

For [DSM 26752](#): Adjust pH to 8.0 with a sterile anoxic stock solution of Na₂CO₃ (5% w/v) prepared under 80% N₂ and 20% CO₂ gas atmosphere.

For [DSM 27512](#), [DSM 28090](#): Adjust pH to 8.5 with a sterile anoxic stock solution of Na₂CO₃ (5% w/v) prepared under 80% N₂ and 20% CO₂ gas atmosphere.

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For DSM 28287: Plus 30 mM Lysine, and vitamin mixture as indicated in medium 141; anaerobic

For DSM 28571: Replace glucose with 1.0 g/l cellobiose added to the autoclaved medium from an anoxic stock solution sterilized by filtration. Adjust pH to 6.5.

For DSM 103526: Adjust pH of complete medium to 7.5.

For DSM 106750: Replace glucose by fructose (5g/L); strictly anaerobic

For DSM 107697, DSM 107698: Replace glucose with 8.0 g/l Na₂-succinate added after autoclaving from an anoxic stock solution sterilized by filtration.

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