

666. SUCCINICLASTICUM MEDIUM

Rumen fluid, clarified (see medium 1310)	400.00	ml
K ₂ HPO ₄	0.23	g
KH ₂ PO ₄	0.23	g
NaCl	0.45	g
(NH ₄) ₂ SO ₄	0.45	g
CaCl ₂ x 2 H ₂ O	0.06	g
MgSO ₄ x 7 H ₂ O	0.09	g
Indigocarmine	5.00	mg
NaHCO ₃	6.40	g
Na ₂ -succinate	5.00	g
Yeast extract	5.00	g
L-Cysteine-HCl x H ₂ O	0.30	g
Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	600.00	ml

Dissolve ingredients (except bicarbonate, succinate, yeast extract, cysteine and sulfide), bring medium to the boil, then cool to room temperature under 100% CO₂ gas atmosphere. Add the bicarbonate and equilibrate the medium with the CO₂ gas to pH 6.8. Distribute under 100% CO₂ gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Thereafter, add succinate, yeast extract, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere. Adjust pH of complete medium to 6.7 - 6.8, if necessary.

Note: Supplementing the medium with 1.50 g/l agar stimulates growth of strains after resuscitation from ampoules.

For [DSM 10503](#), [DSM 10504](#) and [DSM 10505](#) reduce amount of yeast extract to 2.00 g/l.

For [DSM 11001](#), [DSM 11004](#) and [DSM 11016](#) omit yeast extract and succinate and supplement medium with 5.00 g/l each of Trypticase peptone and Na-(DL)-lactate.