

718. PETROTOGA MEDIUM

KCl	0.34	g
MgCl ₂ x 6 H ₂ O	4.00	g
MgSO ₄ x 7 H ₂ O	3.45	g
NH ₄ Cl	0.25	g
CaCl ₂ x 2 H ₂ O	0.14	g
K ₂ HPO ₄	0.14	g
NaCl	18.00	g
Trace elements (see medium 141)	10.00	ml
Fe(NH ₄) ₂ (SO ₄) ₂ x 7 H ₂ O solution (0.1% w/v)	2.00	ml
Na-resazurin solution (0.1% w/v)	0.50	ml
NaHCO ₃	1.00	g
Substrates (see below)		
Vitamin solution (see medium 141)	10.00	ml
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, substrates, vitamins and sulfide), then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 - 45 min to make it anoxic. Add bicarbonate, dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. After autoclaving add substrates, vitamins, and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas. Vitamins should be sterilized by filtration. Prior to inoculation adjust pH of complete medium to 6.5 - 6.7, if necessary.

For [DSM 10674](#) use 0.20 g/l yeast extract and 5.00 g/l D-glucose as substrates.

For [DSM 10691](#) use 1.00 g/l yeast extract, 1.00 g/l Trypticase peptone and 5.00 g/l D-glucose as substrates.

For [DSM 13782](#) use 1.00 g/l yeast extract, 1.00g/l Trypticase peptone, 5.00 g/l D-glucose and 5.00 g/l Na₂S₂O₃ x 5 H₂O as substrates.

For [DSM 14811](#) use 0.20 g/l yeast extract, 2.00 g/l Na₂S₂O₃ x 5 H₂O, and 5.00 g/l D-glucose as substrates.