

328. PYG MEDIUM WITH VOLATILE FATTY ACIDS

Beef extract	5.00	g
Trypticase (BBL)	5.00	g
Yeast extract	10.00	g
Mineral solution (see below)	40.00	ml
(NH ₄) ₂ SO ₄	0.50	g
Fatty acid mixture (see below)	3.10	ml
Glucose	5.00	g
Resazurin	1.00	mg
Haemin (dissolved in 0.5 ml 1 N NaOH)	5.00	mg
Vitamin K ₁ (0.5% sol. in ethanol)	0.20	ml
Cysteine-HCl x H ₂ O	0.50	g
Distilled water	960.00	ml

Adjust pH to 6.9.

Dissolve ingredients except cysteine-HCl in water, boil for 5 min, cool to room temperature while gassing with 100% CO₂, add cysteine-HCl and adjust pH to 6.9 with 8 N NaOH while gassing is continued. Switch to 100% N₂ gas after pH has reached the desired value, distribute in anaerobic tubes under nitrogen, and autoclave.

Mineral solution:

CaCl ₂ x 2 H ₂ O	0.30	g
MgSO ₄ x 7 H ₂ O	0.48	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

Fatty acid mixture:

Acetic acid	17.0	ml
Propionic acid	6.0	ml
n-Butyric acid	4.0	ml
n-Valeric acid	1.0	ml
iso-Valeric acid	1.0	ml
iso-Butyric acid	1.0	ml
DL-2-Methylbutyric acid	1.0	ml