

1611. YCFA MEDIUM (modified)

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|--|---------|----|
| Casitone | 10.00 | g |
| Yeast extract | 2.50 | g |
| Glucose | 5.00 | g |
| MgSO ₄ x 7 H ₂ O | 45.00 | mg |
| CaCl ₂ x 2 H ₂ O | 90.00 | mg |
| K ₂ HPO ₄ | 0.45 | g |
| KH ₂ PO ₄ | 0.45 | g |
| NaCl | 0.9 | g |
| Resazurin | 1.0 | mg |
| Distilled water | 1000.00 | ml |
| NaHCO ₃ | 4.00 | g |
| L-Cysteine-HCl | 1.00 | g |
| Hemin | 10.00 | mg |

Volatile fatty acids:

| | | |
|------------------|--------|----|
| Acetic acid | 1.90 | ml |
| Propionic acid | 0.70 | ml |
| iso-Butyric acid | 90.00 | µl |
| n-Valeric acid | 100.00 | µl |
| iso-Valeric acid | 100.00 | µl |

Vitamin solution:

| | | |
|-----------------------------------|---------|----|
| Biotin | 2.00 | mg |
| Folic acid | 2.00 | mg |
| Pyridoxine-HCl | 10.00 | mg |
| Thiamine-HCl x 2 H ₂ O | 5.00 | mg |
| Riboflavin | 5.00 | mg |
| Nicotinic acid | 5.00 | mg |
| D-Ca-pantothenate | 5.00 | mg |
| Vitamin B ₁₂ | 0.10 | mg |
| p-Aminobenzoic acid | 5.00 | mg |
| Lipoic acid | 5.00 | mg |
| Distilled water | 1000.00 | ml |

Dissolve ingredients except NaHCO₃, hemin, cysteine in water and boil for 10 min, then cool to room temperature while gassing with 100% CO₂. Add the NaHCO₃, hemin, cysteine and adjust pH to 6.7 -6.8. Distribute under N₂ into Hungate tubes (10 ml) and autoclave. Filter sterilize vitamin solution and aseptically add 100 µl per Hungate tube.