

1352. FUCHSIELLA ALKALIACETIGENA MEDIUM

| | | |
|---|---------|----|
| KH ₂ PO ₄ | 0.20 | g |
| MgCl ₂ x 6 H ₂ O | 0.10 | g |
| NH ₄ Cl | 0.50 | g |
| KCl | 0.20 | g |
| NaCl | 60.00 | g |
| Na ₂ CO ₃ | 68.30 | g |
| NaHCO ₃ | 38.30 | g |
| Trace element solution SL-4 (see below) | 1.00 | ml |
| Resazurin | 0.50 | mg |
| Vitamin solution (see medium 141) | 10.00 | ml |
| Yeast extract | 0.05 | g |
| Ethanol (50% v/v) | 10.00 | ml |
| Na ₂ S x 9 H ₂ O | 1.00 | g |
| NaNO ₃ | 0.85 | g |
| Distilled water | 1000.00 | ml |

Trace element solution SL-4:

| | | |
|---|--------|----|
| EDTA | 0.50 | g |
| FeSO ₄ x 7 H ₂ O | 0.20 | g |
| Trace element solution SL-6 (see below) | 100.00 | ml |
| Distilled water | 900.00 | ml |

Trace element solution SL-6:

| | | |
|---|---------|----|
| ZnSO ₄ x 7 H ₂ O | 0.10 | g |
| MnCl ₂ x 4 H ₂ O | 0.03 | g |
| H ₃ BO ₃ | 0.30 | g |
| CoCl ₂ x 6 H ₂ O | 0.20 | g |
| CuCl ₂ x 2 H ₂ O | 0.01 | g |
| NiCl ₂ x 6 H ₂ O | 0.02 | g |
| Na ₂ MoO ₄ x 2 H ₂ O | 0.03 | g |
| Distilled water | 1000.00 | ml |

pH 8.8- 9.5; gas atmosphere: 100% N₂.

Dissolve ingredients except the sodium carbonate, sodium bicarbonate, ethanol, and sodium sulphide. Boil medium for a few minutes and cool to room temperature while flushing with N₂. Add and dissolve sodium carbonate, sodium bicarbonate and sodium sulphide while gassing the head space only. Dispense and autoclave under N₂. Before use add 10 ml/l (v/v) of 50% (v/v) ethanol solution (flushed and autoclaved under N₂).