

**ATCC medium: 510 Acidaminococcus medium (VR)**

|   |          |
|---|----------|
| Acid hydrolyzed casein, vitamin- and salt-free..... | 20.0 g   |
| Glucose.....  | 5.0 g    |
| VR Salts A (see below).....                         | 30.0 ml  |
| VR Salts B (see below).....                         | 4.0 ml   |
| L-Cysteine . HCl.....                               | 0.35 g   |
| DL-Tryptophan.....                                  | 0.1 g    |
| Guanine.....  | 0.01 g   |
| Uracil.....   | 0.01 g   |
| Hypoxanthine.....                                   | 0.01 g   |
| Pyridoxal.....                                      | 1.0 mg   |
| Calcium D-(+)-pantothenate.....                     | 1.0 mg   |
| Thiamine.....                                       | 50.0 mcg |
| Niacin.....   | 50.0 mcg |
| Riboflavin.....                                     | 50.0 mcg |
| p-Aminobenzoic acid.....                            | 10.0 mcg |
| Biotin.....   | 2.0 mcg  |
| Folic acid.....                                     | 1.0 mcg  |
| Vitamin B12.....                                    | 1.0 mcg  |
| Distilled water.....                                | 1.0 L    |

Filter-sterilize vitamins as separate stock solution and add aseptically to sterile basal medium. Adjust medium, if necessary, to pH 7.0 with solid K<sub>2</sub>CO<sub>3</sub>. Prepare and dispense medium anaerobically using Hungate techniques and 100% N<sub>2</sub> gas.

*VR Salts A:*

|  |          |
|--|----------|
| Na <sub>2</sub> HPO <sub>4</sub> ..... | 37.5 g   |
| KH <sub>2</sub> PO <sub>4</sub> .....  | 12.5 g   |
| H <sub>2</sub> O .....                 | 500.0 ml |

*VR Salts B:*

MgSO<sub>4</sub> . 7H<sub>2</sub>O .....24.0 g  
CaCl<sub>2</sub> . 2H<sub>2</sub>O .....0.5 g  
FeSO<sub>4</sub> . 7H<sub>2</sub>O .....0.5 g  
ZnSO<sub>4</sub> .....0.25 g  
MnSO<sub>4</sub> . H<sub>2</sub>O .....0.25 g  
CoCl<sub>2</sub> . 6H<sub>2</sub>O .....0.25 g  
VSO<sub>4</sub> . 7H<sub>2</sub>O .....0.25 g  
Na<sub>2</sub>MoO<sub>4</sub> . 2H<sub>2</sub>O.....0.25 g  
CuSO<sub>4</sub> . 5H<sub>2</sub>O .....0.125 g  
NTA Solution (see below)...300.0 ml  
Distilled water to.....700.0 ml

Dissolve salts in 675 ml water. Heat and add 2.0 ml concentrated HCl to retard precipitation. While stirring vigorously, slowly add the NTA solution to the salts solution. Continue stirring until the solution clears. Bring volume to 1.0 L with distilled water without further pH adjustment. Filter through paper; there may be little or no deposit on paper. Refrigerate.

*NTA Solution:*

Nitrilotriacetic acid (Sigma N9877).....5.0 g  
Distilled water.....300.0 ml

Dissolve NTA in water, adding 10 N NaOH to pH until drift ceases.