

## 1647. ACETOBACTEROIDES MEDIUM

|  |         |    |
|--|---------|----|
| Yeast extract                          | 0.20    | g  |
| Glucose                                | 0.18    | g  |
| KH <sub>2</sub> PO <sub>4</sub>        | 0.14    | g  |
| MgCl <sub>2</sub> x 6 H <sub>2</sub> O | 0.20    | g  |
| CaCl <sub>2</sub> x 2 H <sub>2</sub> O | 0.15    | g  |
| NH <sub>4</sub> Cl                     | 0.54    | ml |
| Cysteine-HCl x H <sub>2</sub> O        | 0.30    | g  |
| NaHCO <sub>3</sub>                     | 2.50    | g  |
| Na <sub>2</sub> S x 9 H <sub>2</sub> O | 0.30    | g  |
| Resazurin                              | 1.00    | mg |
| Vitamin solution (see below)           | 1       | ml |
| Trace element solution (see below)     | 1.00    | ml |
| Se/W solution (see below)              | 1.00    | ml |
| Distilled water                        | 1000.00 | ml |

The vitamin solution, trace element solution, Se/W solution, cysteine, glucose, Na<sub>2</sub>S and NaHCO<sub>3</sub> are added after the medium has been autoclaved.

*Trace element solution (modified; for preparation see Medium 318):*

|   |         |    |
|---|---------|----|
| Nitrilotriacetic acid (NTA)                           | 12.80   | g  |
| FeCl <sub>2</sub> x 4 H <sub>2</sub> O                | 1.00    | g  |
| MnCl <sub>2</sub> x 4 H <sub>2</sub> O                | 0.10    | g  |
| CoCl <sub>2</sub> x 6 H <sub>2</sub> O                | 0.03    | g  |
| CaCl <sub>2</sub> x 2 H <sub>2</sub> O                | 0.10    | g  |
| ZnCl <sub>2</sub>                                     | 0.10    | g  |
| CuCl <sub>2</sub>                                     | 0.02    | g  |
| H <sub>3</sub> BO <sub>3</sub>                        | 0.01    | g  |
| Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O | 0.03    | g  |
| NiCl <sub>2</sub> x 6 H <sub>2</sub> O                | 0.10    | g  |
| Distilled water                                       | 1000.00 | ml |

*Se/W solution:*

|                                  |         |    |
|----------------------------------|---------|----|
| Na <sub>2</sub> SeO <sub>3</sub> | 4.0     | mg |
| Na <sub>2</sub> WO <sub>4</sub>  | 4.0     | mg |
| Distilled water                  | 1000.00 | ml |

*Vitamin solution (for preparation see Medium 141):*

|            |      |    |
|------------|------|----|
| Biotin     | 2.00 | mg |
| Folic acid | 2.00 | mg |

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