

## 1571. MICROBACTER MEDIUM

KH <sub>2</sub> PO <sub>4</sub>	0.41	g
Na <sub>2</sub> HPO <sub>4</sub> x 2 H <sub>2</sub> O	0.53	g
NH <sub>4</sub> Cl	0.3	g
NaCl	0.3	g
MgCl <sub>2</sub> x 6 H <sub>2</sub> O	0.1	g
CaCl <sub>2</sub> x 2 H <sub>2</sub> O	0.01	g
Yeast extract	2.0	g
Na <sub>2</sub> S x 9 H <sub>2</sub> O	0.36	g
Resazurin	0.5	g
Trace element solution SL-10	1	ml

Dissolve in 1 liter, boil under N<sub>2</sub>, add 0.5 g of L-cysteine and adjust pH to 6.4 (should be pH 5.5 after autoclaving). Disperse in tubes and bottles (leave 50% of container volume as gas phase). Change to gas mixture N<sub>2</sub>/CO<sub>2</sub>; 80/20%) and autoclave for 20 minutes at 121°C.

To 100 ml sterile medium add aseptically

Vitamin solution	0.5	ml
Selenite-tungstate solution	0.5	ml

### *Trace element solution SL-10:*

HCl (25%; 7.7 M)	10.00	ml
FeCl <sub>2</sub> x 4 H <sub>2</sub> O	1.50	g
ZnCl <sub>2</sub>	70.00	mg
MnCl <sub>2</sub> x 4 H <sub>2</sub> O	100.00	mg
H <sub>3</sub> BO <sub>3</sub>	6.00	mg
CoCl <sub>2</sub> x 6 H <sub>2</sub> O	190.00	mg
CuCl <sub>2</sub> x 2 H <sub>2</sub> O	2.00	mg
NiCl <sub>2</sub> x 6 H <sub>2</sub> O	24.00	mg
Na <sub>2</sub> MoO <sub>4</sub> x 2 H <sub>2</sub> O	36.00	mg
Distilled water	990.00	ml

First dissolve FeCl<sub>2</sub> in the HCl, then dilute in water, add and dissolve the other salts. Finally make up to 1000.0 ml.

### *Vitamin solution:*

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

*Selenite-tungstate solution:*

NaOH	0.5	g
Na <sub>2</sub> SeO <sub>3</sub> × 5 H <sub>2</sub> O	3.0	mg
Na <sub>2</sub> WO <sub>4</sub> × 2 H <sub>2</sub> O	4.0	mg
Distilled water	1000.0	ml