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# **Appendix A: Bacterial Media, Antibiotics, and Bacterial Strains**

## **LIQUID MEDIA**

### **LB Medium (Luria-Bertani Medium)**

Per liter:

To 950 ml of deionized H<sub>2</sub>O, add:

bacto-tryptone	10 g
bacto-yeast extract	5 g
NaCl	10 g

Shake until the solutes have dissolved. Adjust the pH to 7.0 with 5 N NaOH (~0.2 ml). Adjust the volume of the solution to 1 liter with deionized H<sub>2</sub>O. Sterilize by autoclaving for 20 minutes at 15 lb/sq. in. on liquid cycle.

### **NZCYM Medium**

Per liter:

To 950 ml of deionized H<sub>2</sub>O, add:

NZ amine	10 g
NaCl	5 g
bacto-yeast extract	5 g
casamino acids	1 g
MgSO <sub>4</sub> · 7H <sub>2</sub> O	2 g

Shake until the solutes have dissolved. Adjust the pH to 7.0 with 5 N NaOH (~0.2 ml). Adjust the volume of the solution to 1 liter with deionized H<sub>2</sub>O. Sterilize by autoclaving for 20 minutes at 15 lb/sq. in. on liquid cycle.

NZ amine: Casein hydrolysate enzymatic (ICN Biochemicals 101290).

### **NZYM Medium**

NZYM medium is identical to NZCYM medium, except that casamino acids are omitted.

### **NZM Medium**

NZM medium is identical to NZYM medium, except that bacto-yeast extract is omitted.