

LIQUID MEDIA

NZCYM Medium

Per liter:

NZ amine ²	10 g
NaCl	5 g
yeast extract	5 g
casamino acids	1 g
MgSO ₄ · 7H ₂ O	2 g

Adjust pH to 7.5 with sodium hydroxide.

NZYM Medium

Identical to NZCYM except that casamino acids are omitted.

LB (Luria-Bertani) Medium

Per liter:

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

Adjust pH to 7.5 with sodium hydroxide.

M9 Medium

Per liter:

Na ₂ HPO ₄	6 g
KH ₂ PO ₄	3 g
NaCl	0.5 g
NH ₄ Cl	1 g

Adjust pH to 7.4, autoclave, cool, and then add:

1 M MgSO ₄	2 ml
20% glucose	10 ml
1 M CaCl ₂	0.1 ml

The above solutions should be sterilized separately by filtration (glucose) or autoclaving.

²Type-A hydrolysate of casein from Humko Sheffield Chemical Division of Kraft, Inc., 1099 Wall St. West, Lafayette, NJ 07071.

M9CA Medium

Identical to M9 medium except that 2.0 g/l of casamino acids are included.

 χ 1776 Medium

Per liter:

Bacto-tryptone	25 g
Bacto-yeast extract	7.5 g
1 M Tris · Cl (pH 7.5)	20 ml

Autoclave, cool, and then add:

1 M MgCl ₂	5 ml
1% diaminopimelic acid	10 ml
0.4% thymidine	10 ml
20% glucose	25 ml

Magnesium chloride should be sterilized separately by autoclaving, and the other ingredients should be sterilized separately by filtration.

SOB Medium

Per liter:

Bacto-tryptone	20 g
Yeast extract	5 g
NaCl	0.5 g

Adjust pH to 7.5 with potassium hydroxide and sterilize by autoclaving. Just before use, add 20 ml of 1 M MgSO₄, sterilized separately by autoclaving.