Bacterial Culture Media

NZY Broth

5 g	NaCl
2 g	$MgSO_4 \cdot 7H_20$
5 g	Yeast extract
10 g	NZ amine (Casein hydrosylate)

- Adjust the pH to 7.5 with NaOH

All ingredients per liter

M9 Medium

6 g	Dibasic sodium phosphate (Na_2HPO_4)
3 g	Monobasic potassium phosphate (KH_2PO_4)
1 g	Ammonium chloride (NH_4Cl)
	Water to 1 liter

- Autoclave
- While autoclaving, make the following solution:

1 ml	1M $MgSO_4$
2 g	Glucose
0.1 ml	1 M $CaCl_2$
1.0 ml	1 M thiamine-HCL
	Water to 10 ml

- Filter sterilize and add the above solutions to the cooled M9 media

All ingredients per liter

LB Broth

10 g	NaCl
10 g	Typtone
5 g	Yeast extract

- Add deionized H_2O to final volume of 1 liter
- Adjust the pH to 7.0 with 5N NaOH
- Autoclave

All ingredients per liter

NZY Top Agar

1 liter	NZY Broth
0.7% (w/v)	Agarose

- Autoclave

All ingredients per liter

2X YT Broth

16 g	Tryptone
10 g	Yeast extract
5 g	NaCl

- Adjust the pH to 7.0

All ingredients per liter

Terrific Broth

12 g	Tryptone
24 g	Yeast extract
4 ml	glycerol
10 g	NZ amine (Casein hydrolysate)

- Adjust to 900 ml with deionized H_2O
- Autoclave and add 100 ml of sterilized 0.17M KH_2PO_4 + 0.72 M K_2HPO_4

All ingredients per liter

SOB Medium

20 g	Tryptone
5 g	Yeast extract
0.5 g	NaCl

- Add deionized H_2O to final volume of 1 liter
- Autoclave
- Add 10 ml of 1M $MgCl_2$ and 10 ml of 1M $MgSO_4$ prior to use
- Filter sterilize

All ingredients per liter

SOC Medium

1 ml	2M filter sterilized glucose solution
	or
2 ml	20% (w/v) glucose
+ X ml	SOB medium
=	Total 100 ml of SOC medium

All ingredients per 100 ml