

Bacterial media

LB media (1L)

In 800mL ddH₂O, dissolve

(Bacto) Tryptone	10g
Yeast Extract	5g
NaCl	5g

Adjust to 1L with H₂O nano

For preparing plates, separate in two flasks containing each 500ml, add 7.5g agar in each flask (7.5g/500mL)

Autoclave

Store at RT

If required, add antibiotics AFTER autoclaving:

Ampicilin	1 ml of 100mg/mL stock in 1L of LB	
Kanamycin	2.5ml of 10mg/ml stock in 1L of LB	

3X LB (100mL)

In 80mL ddH₂O, dissolve

Tryptone		3.0g
Yeast Extract		1.5g
NaCl		1.5g

Adjust to 100mL with ddH₂O

Autoclave

Store at RT

SOB media (1L)

In 800mL ddH₂O, dissolve

Tryptone		20g
Yeast Extract		5.0g
NaCl		0.5g
KCl (2.5mM final)		833ul of 3M stock sln

Adjust pH to 7.0 with NaOH

Adjust to 1L with ddH₂O

Autoclave

Store at RT

In parallel, prepare 2M MgCl₂

Dissolve 19g MgCl₂ in 90mL ddH₂O. Adjust to 100mL.

Autoclave separately.

Just before using the media, add 5.0mL MgCl₂ 2M to 1L SOB.