

LB plate preparation

Approximate Formula (Per Liter) of Difco™ Luria Agar Base, Miller	
Pancreatic Digest of Casein	10.0 g
Yeast Extract	5.0 g
Sodium Chloride	0.5 g
Agar	15.0 g

1. Dissolve 30.5 g Difco™ Luria Agar Base powder in 1 L of purified water and mix thoroughly.
2. Autoclave at 121°C for 15 minutes. Cool to 45-50°C.
3. Pour ~20mL of LB agar per 10cm polystyrene Petri dish.

LB plate preparation with antibiotics added

1. Dissolve 30.5 g Difco™ Luria Agar Base powder in 1 L of purified water and mix thoroughly.
2. Autoclave at 121°C for 15 minutes. Cool to 45-50°C.
3. Add appropriate antibiotics and mix thoroughly:
 - 1.00 ml Chloramphenicol stock (100mg/ml) –final concentration 100ug/ml;
 - 0.68 ml of Ampicillin stock (50mg/ml) – final concentration 34ug/ml;
4. Pour ~20mL of LB agar per 10cm polystyrene Petri dish.