

Schwer Lab

2×-LB broth (low-salt) media

Peptone	20 g/L [or Tryptone]
Yeast Extract	10 g/L
NaCl	5 g/L

Preparation of 2 L 2×-LB:

Add 1 L distilled water to 2 L glass beaker. Add stir bar (clean with ethanol) and add:

40 g peptone
20 g yeast extract
10 g NaCl

Cover beaker with Saran wrap and stir until fully dissolved. Aliquot into 4 x 500-mL glass bottles and autoclave (liquid cycle, 30-45 min sterilization time).

For growing bacteria, supplement with Carbenicillin (100 µg/mL).
Carbenicillin stock is 100 mg/mL in water; stored frozen at -20°C).

For 2X-LB agar plate preparation:

Add 7.5 g Bacto agar per 500 mL of 2×-LB. Autoclave on liquid cycle (45 min sterilization time).
Let cool to ~55°C in water bath.

Add carbenicillin to 100 µg/mL (1:1,000 from stock) and pour plates (1 sleeve of 20 plates from 500 mL 2×-LB/agar solution).