

Lysogeny broth (LB) – Agar

Use lysogeny broth agar for the cultivation of *Escherichia coli*.

Table 1: Representation of the composition of the BHI-Agar-medium.

Component	Amount [g/L]
Yeast extract	5
Peptone	10
Sodium chloride	10
Agar	10

1. Add H₂O to a final volume of 1 L.
2. Autoclave at 121 °C for 15 min.
3. Cool down until the LB-Agar-medium is handwarm.
4. Add the desired antibiotic in the appropriate concentration (see table below)
5. Pour liquid LB-Agar into Petri dishes and leave your plates out on the bench to solidify.
6. Store at 4 °C.

Table 2: Applied antibiotics and their concentrations.

Antibiotic	Stock concentration [mg/mL]	Working concentration [µg/mL]
Chloramphenicol	20	20
Tetracyclin	10	10
Kanamycin	50	50
Ampicillin	100	100