

Brain-Heart Infusion (BHI)- Agar

Use brain heart infusion agar for the cultivation of *Vibrio natriegens*.

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

Component	Amount [g/L]
Bacto™ Brain Heart Infusion Broth (Becton, Dickinson and Company, France)	37
Sodium chloride	15
Agar	18

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