

Sep 21, 2025

LB broth

DOI

<https://dx.doi.org/10.17504/protocols.io.q26g7n35klwz/v1>

Jordan Ward¹

¹UC, Santa Cruz



Jordan Ward

UC, Santa Cruz

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.q26g7n35klwz/v1>

Protocol Citation: Jordan Ward 2025. LB broth. protocols.io <https://dx.doi.org/10.17504/protocols.io.q26g7n35klwz/v1>

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](#), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: September 19, 2025

Last Modified: September 21, 2025



Protocol Integer ID: 227755

Keywords: lb broth recipe, lb of lb broth, lb broth, lb, larger volume

Funders Acknowledgements:

NIH

Grant ID: R35GM158317

Abstract

Recipe for 1 LB of LB broth. To make larger volumes scale accordingly.



- 1 Weigh 10 g tryptone, 10 g sodium chloride (NaCl) and 5 g yeast extract and add to 975 ml milliQ water in a beaker with a magnetic stir bar. Mix until powder is dissolved.
- 2 Adjust pH to ~7.0 with 10N sodium hydroxide (~ 400 μ l).
- 3 Pour into a graduated cylinder and bring to 1L with milliQ water.
- 4 Transfer to 10 $\times$ 100 μ l bottles or 2 $\times$ 500 ml bottles. Add a loosely tightened lid or cover with aluminum foil. Add autoclave tape and autoclave using a liquid cycle (55 minutes).
- 5