

# **Media - LB (Luria-Bertani)**

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Version: 1.0 - [Print Version \(.PDF\)](#)

This is a very basic recipe used in any lab. It is probably THE most used bacteria medium.  
Costs: 0.85 euro/liter

## **Composition:**

1.0 %	Tryptone	10 g	Tryptone
0.5 %	Yeast Extract	5 g	Yeast Extract
1.0 %	NaCl	10 g	NaCl
--		add 950 ml water	
	adjust the pH to 7.0 with 5 M NaOH		
--		add water to 1 liter	

Autoclave for 20min at 120 °C

Let cool to ca. 55 °C before adding antibiotics

Store at room temperature or 4 °C

## **Plates:**

Prepare LB as described above, but add before autoclaving:

1,5 %	Agar	15 g	Agar
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## **Materials needed:**

Tryptone (# T1332.1000) by [Duchefa](#)

Yeast Extract (# Y1333.1000) by [Duchefa](#)

## **Known Issues:**

- I always use LB with half of the NaCl concentration and I have no clue why.
- I never adjusted the pH because I am lazy and the bacteria didn't mind it.

## **References and Comments:**

This is a known recipe as it can be found for example in "Molecular Cloning: A Laboratory Manual".

## **How to cite this page in publications:**

This document can be cited like this:

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<[http://www.untergasser.de/lab/media/media\\_lb\\_v1\\_0.htm](http://www.untergasser.de/lab/media/media_lb_v1_0.htm)>.

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