

LB Agar Plates

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Abstract

An LB Agar protocol, adapted from Addgene, to match Northeastern_Boston's protocol.

Citation: Joshua Timmons LB Agar Plates. **protocols.io**

dx.doi.org/10.17504/protocols.io.dp85rv

Published: 05 Sep 2015

Protocol

Step 1.

20g of Agar

 **AMOUNT**

20 g Additional info:

Step 2.

add (dH2O) to 500mL

Step 3.

Swirl to mix with a stir bar for 10 minutes

Step 4.

Cover the top of the flask with aluminum foil and label with autoclave tape.

Step 5.

Autoclave on the liquid setting for 30 minutes.

Step 6.

After removing the solution from the autoclave, allow the agar solution to cool to 55°C.

Step 7.

Add the appropriate amount of desired antibiotic to the solution and swirl to mix.

iGEM standard concentrations:

Tet	Kan	Cam
15ug/mL	50ug/mL	35ug/mL

Step 8.

Pour 20mL of LB agar per 10cm polystyrene Petri dish.

Step 9.

Place the lids on the plates and allow them to cool for 30-60 minutes (until solidified)

 **DURATION**

01:00:00

Step 10.

Invert the plates and let sit for several more hours or overnight.

 **DURATION**

12:00:00

Step 11.

Label the bottom of plates with antibiotic and date and store in plastic bags or sealed with parafilm at 4°C.