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🌐 LB (Luria-Bertani) liquid medium

Katy M
Monteith¹

¹University of Edinburgh

Vale Lab

Katy M Monteith
University of Edinburgh

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We use this protocol and it's working

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ABSTRACT

This protocol describes how to make 1 L of Luria-Bertani liquid medium (also known as LB broth) for the culturing of bacteria.

GUIDELINES

LB broth can be stored at room temperature once autoclaved and kept for up to 6 months.

If your broth becomes cloudy it has become contaminated and is no longer viable. Contaminated LB broth must be disinfected (i.e. by adding Virkon at 2% final concentration) and then autoclaved before disposal.

MATERIALS

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⊗ LB broth, Miller Thermo Fisher Scientific Catalog #BP1426-500

⊗ Virkon powder VWR international Ltd Catalog #148-0201

SAFETY WARNINGS

! Read appropriate SDS for LB broth, Miller and Virkon before use.

Bottle can be extremely hot immediately following autoclave. Use thermal gloves for handling.

1 Add 25 grams of LB broth, Miller per litre of distilled H₂O.

2 Mix well by inverting bottle several times until powder dissolved.

3 Sterilize by autoclaving for 20 min at 15 psi (1.05 kg/cm²) on liquid cycle.

Note

Once sterilized only open and use LB broth within a laminar flow hood to prevent contamination.

4 Allow LB broth to cool to room temperature before use.