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Bacterial Media Preparation

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Working

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ABSTRACT

Protocol for the preparation of bacterial culture and recovery media, with options for several types of antibiotics.

Default scale - 1 L

STEPS MATERIALS

| NAME ▾ | CATALOG # ▾ | VENDOR ▾ |
|-------------------|---------------|---------------------------------------|
| LB | L24400-2000.0 | Research Products International (rpi) |
| Kanamycin | K22000-25.0 | Research Products International (rpi) |
| Ampicillin | A40040-25.0 | Research Products International (rpi) |
| Tryptic Soy Broth | DF0370-07-5 | Fisher Scientific |

1 Select the type of media from the list below:

step case

Luria broth (LB)

no description provided

2 Add powdered LB (25 g) to deionized water (1 L)

LB

by Research Products International (rpi)

Catalog #: L24400-2000.0

CAS Number: 8013-01-2



n.b.

Particulates may remain after addition, but these will dissolve during the autoclave cycle

3 Autoclave using liquid cycle 🕒 00:15:00

4 Allow media to cool to 🌡️ 50 °C

5 Select antibiotic from the list below:

step case

Kanamycin

no description provided



6 Add 🧴 50 mg kanamycin and mix thoroughly



Kanamycin

by Research Products International (rpi)

Catalog #: K22000-25.0

CAS Number: 25389-94-0

step case

Ampicillin

no description provided



6 Add 🧴 100 mg ampicillin and mix thoroughly



Ampicillin

by Research Products International (rpi)

Catalog #: A40040-25.0

CAS Number: 69-52-3


step case

Tryptic soy broth (TSB)


no description provided



2 Add powdered tryptic soy broth (🧴 30 g) to deionized water (🧴 1 L)




Tryptic Soy Broth
by Fisher Scientific
Catalog #: DF0370-07-5



n.b.

Particulates may remain after addition, but these will dissolve during the autoclave cycle

3 Autoclave using liquid cycle ⌚ 00:15:00

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