Fast-Media® Puro Agar

Microwaveable media for selection and propagation of puromycin resistant E. coli

Catalog # fas-pr-s

For research use only

Version # 13F26-MM

PRODUCT INFORMATION

Contents:
- 20 individual sealed pouches of Fast-Media® Puro Agar. Each pouch contains the necessary amount of powder for the preparation of 200 ml of Lysogeny Broth (LB) based solid medium supplemented with puromycin. Lysogeny Broth is also known as Luria Broth.

Effective concentration: Puromycin 100 µg/ml

Storage and stability:
- Fast-Media® Puro Agar are shipped at room temperature, and must be stored in a dry and cool place. They are stable for 2 years at room temperature.
- When properly prepared, Fast-Media® Puro Agar broths are stable for 4 weeks at 4°C, retaining sterility and selective properties.

Quality control:
The high quality and performance of each formulation are tested with E. coli K12 derived strains. E. coli transformed with a plasmid carrying the puromycin resistance gene are used as positive controls for Fast-Media® Puro Agar.

METHOD

For customer convenience, the following procedure is directly printed on each pouch.

1. Pour the pouch contents into a clean borosilicate glass bottle or flask.
2. Add 200 ml of distilled or deionized water.
3. Mix thoroughly by swirling the glass bottle or flask.
4. Heat in a microwave oven on MEDIUM power setting (about 450W) until bubbles start to appear (about 3 minutes). Do not heat in a closed container.
5. Swirl gently to mix the preparation and re-heat for 30 seconds. Swirl gently again.
6. Repeat step 4 if necessary until the medium is completely dissolved. Do not overboil.
7. Allow the medium to cool to 50-55 °C before use.

Caution: Any solution heated in a microwave oven may become superheated and suddenly boil when moved or touched. Handle with extreme care. Wear heat-proof gloves.

Note: Do not repeat this above procedure once the medium is prepared because the antibiotic will be adversely affected.

SPECIAL HANDLING

Caution should be exercised during handling of Fast-Media® due to potential allergenic properties of antibiotics. Wear protective gloves, do not breathe the dust.

FAST-MEDIA® FEATURES

Fast-Media® offer researchers a quick and convenient way to prepare 200 ml of sterile E.coli growth medium in about five minutes using a microwave instead of an autoclave.

Fast-Media® is supplied with a choice of antibiotics for selection (see table below), and chromogenic substrates, for the growth or selection of E. coli transformant colonies, as well as detection of blue/white colonies. Fast-Media® Base is supplied without selective antibiotics.

Several Fast-Media® are available:
- Fast-Media® TB, Terrific Broth based liquid medium
- Fast-Media® LB, Lysogeny Broth (LB) based liquid medium
- Fast-Media® Agar, LB based solid medium
- Fast-Media® Agar X-Gal, LB based solid medium containing IPTG and X-Gal
- Fast-Media® Agar X-Gluc, LB based solid medium containing X-Gluc.

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<th>Fast-Media®</th>
<th>Agar</th>
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RELATED PRODUCTS

<table>
<thead>
<tr>
<th>Product</th>
<th>Catalog Code</th>
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<tr>
<td>Fast-Media® Puro TB</td>
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TECHNICAL SUPPORT

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