PRODUCT INFORMATION

Contents:
- 20 individual sealed pouches of Fast-Media® Kan Agar X-Gal. Each pouch contains the necessary amount of powder for the preparation of 200 ml of Lysogency Broth (LB) based solid medium supplemented with kanamycin, IPTG and X-Gal. Lysogeny Broth is also known as Luria Broth.

Fast-Media® Kan Agar X-Gal are used for the detection of blue/white resistant colonies after transformation by a vector carrying the LacZ gene.

Effective concentration: Kanamycin 50 µg/ml, IPTG 100 µg/ml, X-Gal 100 µg/ml

Storage and stability:
- Fast-Media® Kan Agar X-Gal 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® Kan Agar X-Gal 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 kanamycin resistance gene are used as positive controls for Fast-Media® Kan Agar X-Gal.

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.

RELATED PRODUCTS

<table>
<thead>
<tr>
<th>Product</th>
<th>Catalog Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast-Media® Kan TB</td>
<td>fas-kn-l</td>
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<tr>
<td>Fast-Media® Kan Agar</td>
<td>fas-kn-s</td>
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</tbody>
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