Fast-Media® Kan Agar

Microwaveable media for selection and propagation of kanamycin resistant E. coli
Catalog # fas-kn-s, fas-kn-s500

For research use only
Version # 13F26-MM

PRODUCT INFORMATION

Contents:
- Fast-Media® Kan Agar are prepared as individual sealed pouches containing the necessary amount of powder for the preparation of 200 ml of Lysogeny Broth (LB) based solid medium supplemented with kanamycin. Lysogeny Broth is also known as Luria Broth.
- Fast-Media® Kan Agar are available in two pack sizes either 30 or 500 pouches.

Effective concentration: Kanamycin 50 µg/ml

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

RELATED PRODUCTS

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<th>Product</th>
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<tr>
<td>Fast-Media® Kan LB</td>
<td>fas-kn-b</td>
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<tr>
<td>Fast-Media® Kan TB</td>
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<td>Fast-Media® Kan Agar X-Gal</td>
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