**Fast-Media® Zeo Agar**

Microwaveable media for selection and propagation of Zeocin™ resistant *E. coli*

Catalog # fas-zn-s

*For research use only*

Version # 13F26-MM

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**PRODUCT INFORMATION**

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

**Effective concentration:** Zeocin™ 25 µg/ml

**Storage and stability:**
- Fast-Media® Zeo 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® Zeo 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 Zeocin™ resistance gene are used as positive controls for Fast-Media® Zeo 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 allergic 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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**TECHNICAL SUPPORT**

Toll free (US): 888-457-5873
Outside US: (+1) 858-457-5873
Europe: +33 562-71-69-39
E-mail: info@invivogen.com
Website: www.invivogen.com

InvivoGen
3950 Sorrento Valley Blvd. Suite 100
San Diego, CA 92121 - USA