

PRODUCT INFORMATION

Your Smarter Culture Media Choice



BCYE Agar (*Legionella* Agar)

Cat. No. B02-103

Date of issue
11/01/16

DESCRIPTION

Buffered Charcoal Yeast Extract (BCYE Agar) medium is used for the isolation, cultivation and maintenance of *Legionella* species from environmental and clinical specimens.

Formula* per Liter:

ACES Buffer	6.0g
α -Ketoglutarate.....	1.0g
Charcoal, Activated.....	1.5g
Yeast Extract	12.5g
Agar	17.0g

Final pH: 6.85 \pm 0.2 at 25°C

**Grams per liter may be adjusted or formula supplemented to obtain desired performance.*

PREPARATION

Mix 38 grams of the medium in one liter of purified water until evenly dispersed. Gently heat and bring to boil. Autoclave at 15 psi pressure-121°C for 15 minutes. Cool to 50-55°C. Add 10.0mL of a 4% solution of L-cysteine and 10 mL of 2.5% of Ferric Pyrophosphate that has been filter sterilized. Mix thoroughly. Check pH and adjust if necessary using 1N HCl or KOH. Pour into sterile petri dishes with constant agitation to keep charcoal in suspension.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and black.
2. Visually the prepared medium is opaque and charcoal black.
3. Expected cultural response after 48 to 72 hours at 35.0°C

Organism:

Legionella pneumophila ATTC® 33152
Fluoribacter bozemanii ATCC® 33217

Results:

Growth
Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing, or if the color has changed from the original color.