

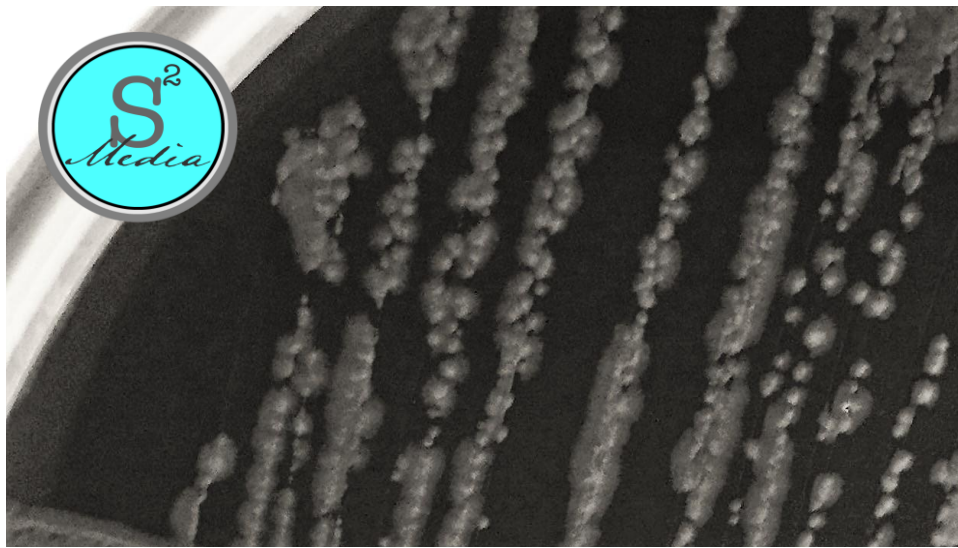
PRODUCT INFORMATION

Buffered Charcoal Yeast Extract (BCYE) Agar supplemented with polymyxin B, anisomycin, and cefamandole (PAC) is a selective agar utilized for enhanced recovery of *Legionella pneumophila* and *Fluoribacter dumoffi* present in clinical and environmental water samples.

FORMULA* (per Liter):

ACES Buffer.....	10.0g
Charcoal, Activated.....	2.0g
Potassium α -ketoglutarate.....	1.0g
Yeast Extract.....	10.0g
Agar.....	17.0g
Ferric Pyrophosphate.....	0.25g
L-Cysteine HCl·H ₂ O.....	0.40g
Polymyxin B	80,000U
Anisomycin	80mg
Cefamandole	4.0mg

*Adjusted and/or supplemented as required to meet performance criteria



BCYE-PAC AGAR

Material 5041

PHYSICAL CHARACTERISTICS:

Appearance: Prepared medium is opaque and dark gray to black with black particulates suspended

pH: 6.8 - 7.0 @25°C

GROWTH RECOVERY:

Test Organisms	Expected Results
<i>Fluoribacter bozemanai</i> ATCC® 33217	Partial to complete inhibition
<i>Legionella pneumophila</i> ATCC® 33152	Good growth; White-gray to blue-gray; Colonies appear yellow-green under long-wave UV light (no fluorescence)
<i>Candida Albicans</i> ATCC® 10231	Partial to complete inhibition
<i>Escherichia coli</i> ATCC® 25922	Partial to complete inhibition
<i>Staphylococcus aureus</i> ATCC® 25923	Partial to complete inhibition

STORAGE AND HANDLING INSTRUCTIONS:

Store sealed sleeves inverted at 2-8°C upon receipt. Do not heat or freeze and minimize exposure to light. Plates should be warmed to room temperature prior to use - not to exceed 30°C. Product expiry is 152 days (5 months) from the date of manufacture. Reference our *Prepared Media Storage and Handling* document for additional information.

S² Media

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