

PRODUCT INFORMATION

Buffered Charcoal Yeast Extract Agar supplemented with GPVC is utilized for the isolation and differentiation of *Legionella* species in clinical and environmental samples. Vancomycin inhibits gram-positive bacteria, polymyxin B inhibits gram-negative bacteria (except *Proteus* spp.), and cycloheximide is an antifungal.

FORMULA* (per Liter):

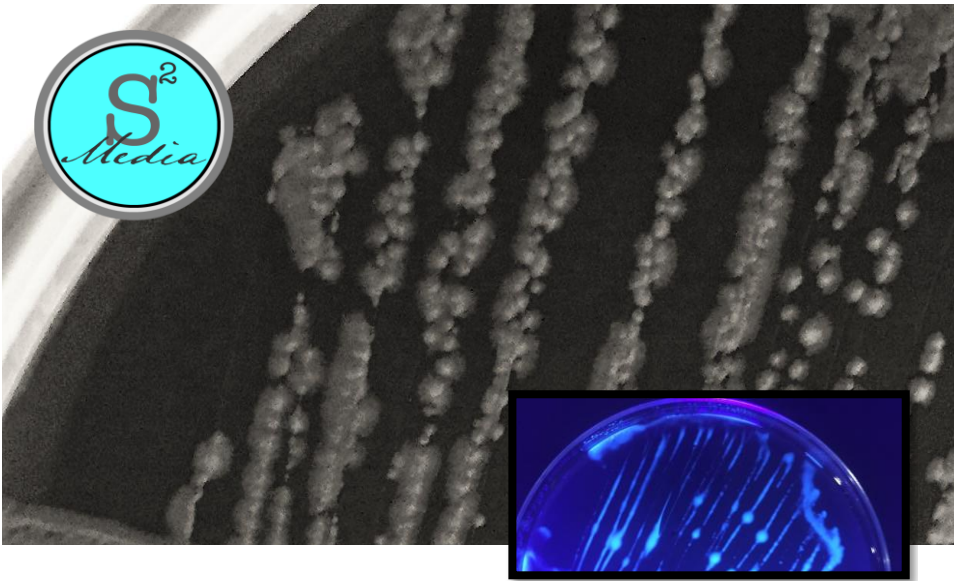
ACES Buffer.....	10.0g
Charcoal, Activated.....	2.0g
Potassium α -ketoglutarate.....	1.0g
Yeast Extract.....	10.0g
Agar.....	17.0g
Ferric Pyrophosphate.....	0.25g
L-Cysteine HCl·H ₂ O.....	0.40g
Glycine.....	0.3%
Polymyxin B.....	100,000U
Vancomycin.....	5,000 μ g
Cycloheximide.....	80,000 μ g

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

S² Media

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BCYE-GPVC AGAR

Material 5023

PHYSICAL CHARACTERISTICS:

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

pH: 6.85 - 6.95 @25°C

GROWTH RECOVERY:

Test Organisms	Expected Results
<i>Fluoribacter bozemanai</i> ATCC® 33217	Growth; White-gray to blue-gray colonies that fluoresce blue-white under long-wave UV light
<i>Legionella pneumophila</i> ATCC® 33152	Growth; White-gray to blue-gray colonies that fluoresce yellow-green under long-wave UV light
<i>Escherichia coli</i> ATCC® 25922	Marked to complete inhibition
<i>Staphylococcus aureus</i> ATCC® 25923	Marked to complete inhibition
<i>Aspergillus brasiliensis</i> ATCC® 16404	Marked 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.