PRODUCT INFORMATION

Chromogenic Agar Burkholderia Cepacia

Cat. No. C03-156

DESCRIPTION

Chromogenic Agar Burkholderia Cepacia is a selective medium specially formulated for the isolation and detection of *Burkholderia cepacia*. This medium contains selective agents to improve *B. cepacia* recovery through the inhibition of common contaminants. Chromogenic substrate is added to detect *B. cepacia* by means of a color change in its colonies. Bile salts inhibit most Gram-positive cocci except for enterococci. Sodium pyruvate increases the recovery of stressed cells. Tween 80 and soya lecithin neutralize quaternary ammonium compounds and parahydroxybenzoates.

FORMULA (g/L)

Ammonium Sulfate	1.0 g	Bacteriological Agar	12.0 g
Bile Salts	1.5 g	Ferric Ammonium Citrate	0.01 g
Magnesium Sulfate	0.2 g	Peptone	5.0 g
Sodium Pyruvate	7.0 g	Tween 80	5.0 g
Yeast Extract	4.0 g	Chromogenic Substrate & Inhibitors	5.59 g

Final pH: 6.3 ± 0.2 at 25 ºC

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

PREPARATION

Mix 42 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. AVOID OVERHEATING. DO NOT AUTOCLAVE.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is light to medium yellow, with trace to light haze.
3. Expected cultural response after 48-72 hours at 37 ºC.

Version 01 – Date 01/18/24

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ORGANISM	RESULT
Candida albicans ATCC 10231	Moderate growth – White colonies
Klebsiella aerogenes ATCC 13048	Inhibited
Salmonella typhimurium ATCC 14028	Inhibited
Burkholderia cepacia ATCC 17759	Good Growth – Brown-pinkish colonies
Pseudomonas aeruginosa ATCC 27853	Inhibited
Enterococcus faecalis ATCC 29212	Inhibited
Staphylococcus aureus ATCC 6538	Inhibited
Escherichia coli ATCC 8739	Inhibited

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.

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