

Burkholderia Cepacia Selective Agar



Medium used for the isolation and identification of *Burkholderia cepacia*.

* Equally use with USP.

• CONTENTS (Liter)

Enzymatic Digest of Casein	10.0 g
Lactose	10.0 g
Sucrose	10.0 g
Sodium Chloride	5.0 g
Yeast Extract	1.5 g
Phenol Red	0.08 g
Crystal Violet	0.002 g
Agar	14.0 g
Final pH = 6.8 ± 0.2 at 25°C	

• PROCEDURE

Suspend 50.58 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Aseptically add 2 vials of Burkholderia Cepacia supplement (MB-B3069). Mix well. Pour into petri dishes.

Burkholderia Cepacia supplement

1 vial contents (each vial is sufficient for 500 mL of medium)

Vancomycin	0.00125 g
Gentamicin	0.005 g
Polymyxin B	300,000 IU

• INTERPRETATION

Burkholderia Cepacia Selective Agar is a medium used for the isolation and identification of *Burkholderia cepacia*. Enzymatic digest of casein and yeast extract are the nitrogen and vitamin sources. Lactose and sucrose are the fermentable carbohydrates. Sodium chloride maintains the osmotic balance. Phenol red is a pH indicator. Crystal violet inhibits the growth of Gram-positive bacteria. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 30 - 35°C for 48 - 72 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light pink

Prepared medium

Appearance: slightly opalescent

Color: red orange

Incubation conditions: 30 - 35°C / 48 - 72 hours

Microorganism	ATCC	Growth	Characteristics
<i>Burkholderia cepacia</i>	25416	good	pink to yellow halo
<i>Burkholderia multivorans</i>	NCCP 16312	good	-
<i>Pseudomonas aeruginosa</i>	9027	inhibited	-
<i>Staphylococcus aureus</i>	6538	inhibited	-

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

• REFERENCES

1. Hery, D. et al. 1997, Identification of *Burkholderia cepacia* Isolates from patients with cystic fibrosis and Use of a Simple New Selective Medium. J. Clin. Micro. 35: 614-619
2. Hery, D. et al. 1999, Comparison of isolation media for recovery of *Burkholderia cepacia* Complex from Respiratory Secretions of Patients with Cystic Fibrosis. J. Clin. Micro. 37: 1004-1007
3. Refer to the USP/NF <60> Microbiological Examination of Nonsterile products- Test of *Burkholderia cepacia* Complex.

• PACKAGE

Cat. No : MB-B3068 Burkholderia Cepacia Selective Agar	500 G
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