Rev: 2

Effective Date: 10/04/2026

REF FP90C3011

Chocolate Agar with Bacitracin | Ready-to-use Media

a product by Biomed MDX

IVD

Intended Use:

Selective medium for isolating and cultivating fastidious microorganisms, particularly from respiratory samples containing mixed flora.

Principle of the Procedure:

This growth medium is specifically formulated to help isolate certain microorganisms, especially when taken from respiratory samples. Built upon a base that supplies fundamental nutrients like peptones, carbohydrates, and salts crucial for bacterial development, the medium is enhanced with broken-down horse blood. This process releases vital growth components: hemin (X factor) and nicotinamide adenine dinucleotide (NAD or V factor). The inclusion of NAD is critical for the cultivation of demanding microorganisms. However, further microbiological tests are required to identify and diagnose specific microorganisms definitively. The bacitracin in the agar inhibits the growth of many competing bacteria such as streptococci and staphylococci. Further microbiological identification tests are necessary to confirm and diagnose the presence of microorganisms.

Product Summary:

Rich growth medium, especially useful for isolating fastidious respiratory bacteria. Contains essential nutrients and growth factors from lysed horse blood, promoting the development of demanding microorganisms. Further testing is needed for specific identification.

Formulation* (PER LITER):

Pancreatic Digest of Casein	10.0g	**Corn Starch**	1.0g
Meat Peptic Digest	5.0g	**Sodium Chloride**	5.0g
Yeast Extract	5.0g	**Agar**	13.5g
Heart Pancreatic Digest	3.0g	**Nicotinamide Adenine Dinucleotide (NAD)**	0.05g
Defibrinated Horse Blood	70ml		
Bacitracin	0.15g		

pH 7.3 +/- 0.2

*Adjust and/or supplemental as required to meet performance criteria

Procedure

Materials Provided

90mm Chocolate Agar with Bacitracin.

Materials Required But Not Provided

Ancillary culture media, reagents, and laboratory equipment as required.

Test Procedure

1. Inoculate and streak the specimen as soon as possible after it is received in the laboratory with an aseptic technique.
2. Incubate at 35 ± 2°C for 24 hours.
3. Observe the result according to user requirements.
4. Dispose of all used reagents and contaminated materials as infectious waste. Laboratories must handle and dispose of all waste safely according to regulations.

Results

Examine for colonies exhibiting typical microscopic and colonial morphology. Appropriate biochemical or immunological tests may be required for final identification

Quality Control

Inoculate representative samples with the following strains. Incubate the inoculated plates at 35 ± 2°C for 24 hrs. to allow colonies to develop on the medium.

Strains	ATCC®	Growth Results
Haemophilus influenza	10211	Growth
Staphylococcus epidermidis	12228	No growth / Partial inhibition
Neisseria gonorrhoeae	43069	No growth
Uninoculated plate	-	No growth

Transportation:

Temperature fluctuations may occur during transportation. However, these fluctuations do not affect the performance, quality, or safety of the media.

Storage and Shelf Life:

Upon receipt, store plates at 2 to 8°C, in their original sleeve wrapping until just before use. Avoid freezing and overheating.

The plates may be inoculated up to the expiration date (see package label) and incubated for the recommended incubation times.

Warning and Precautions:

For in vitro diagnostic use. For Professional Use Only. Do Not Reuse.

Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration.

Limitations of the Procedure

This medium is for laboratory use only and is not intended for the diagnosis of disease or other conditions. Identifications are presumptive and colonies should be identified using appropriate methods

Reference

1. Ladhani, S., Slack, M. P., Heath, P. T., Von Gottberg, A., Chandra, M., Ramsay, M. E., & European Union Invasive Bacterial Infection Surveillance participants. (2010). Invasive Haemophilus influenzae disease, Europe, 1996–2006. *Emerging infectious diseases*, *16*(3), 455.

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Packaging Symbol

Symbol	Definition
	Catalogue number
	In Vitro Diagnostic Medical Device
	Batch code
	Date of manufacture
	Temperature limit
	Use-by date
	Keep away from sunlight
	Do not re-use
	Fragile, handle with care
	Consult instructions for use or consult electronic instructions for use
	Do not use if packaging damaged and consult instructions for use
	Manufacturer

Further Information:

For further information please contact your Biomed MDX representative.

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