
Product Name : Chocolate Agar Base

A highly nutritious medium for the isolation and cultivation of fastidious microorganisms, especially *Neisseria* and *Haemophilus* species.

CONTENTS (G/L)

Nutrient Substrate	13.0
Sodium Chloride	5.0
Buffers	1.0
Agar	14.0
Final pH = 7.2 ± 0.2 at 25 °C	

PROCEDURE

Suspend 33.0 G in 920 mL of distilled or deionized water. Heat to boiling completely dissolve the medium. Sterilize by autoclave 121 °C for 15 minutes. Cool to 45-50°C in water bath. Aseptically add 70 mL of Horse Blood Defibrinated (MB-H1883) or Sheep Blood Defibrinated (MB-S1876) and heat in a water bath at 80°C for 10 minutes. Cool to 45-50°C in water bath. Aseptically 2 vials of Growth Factor Mixture (with Hydration Fluid) (MB-G2521). Mix well. Dispense into petri dishes.

Growth Factor Mixture (with Hydration Fluid)

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

Adenine	10.0 mg
p-Aminobenzoic Acid	0.13 mg
Coccarboxylase	1.0 mg
L-Cysteine	259.0 mg
L-Cystine	11.0 mg
Ferric Nitrate	0.2 mg
Glucose	1.0 g
L-Glutamine	100.0 mg
Guanine	0.3 mg
NAD	2.5 mg
Thiamine	0.03 mg
Vitamin B12	0.1 mg

INTERPRETATION

Chocolate Agar Base is used for the isolation and cultivation of fastidious micro-organisms, especially *Neisseria* and *Haemophilus* species.

QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing granules.

Color: beige.

Prepared medium

Appearance: opaque.

Color: chocolate brown.

Incubation conditions: 35 ± 2°C / 18-24 hours / 5-10% CO₂.

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Microorganism	ATCC	Inoculum CFU	Growth
<i>Neisseria meningitidis</i>	13100	100-300	good
<i>Haemophilus influenzae</i>	10211	100-300	good

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 or until signs of deterioration are evident. Store prepared medium at 2-6°C.

REFERENCES

1. Carpenter and Morton (1947) Proc. N. Y. State Assoc. Public Health Labs. 27: 58.

PACKAGE

Cat. No : MB-C2143 Chocolate Agar Base	500 G
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