

Chocolate blood agar + Supplements

For in vitro diagnostic use only

Cat. Number: PD013

Description

Polystyrene 90mm Petri dishes packaged in sleeves of 10 plates in a "breathable" cellulose bag that prevents build-up of condensation and excess moisture

Exp. Date

Printed on label and on the item

Required materials not supplied

Laboratory equipment as required

Purpose and Principle

For the non-selective cultivation of fastidious bacteria. Especially useful for the cultivation of Haemophilus and Neisseria in a CO₂ enriched atmosphere. Contains an improved GC Agar base, 5% blood and Vitox Enrichment. The GC base contains nitrogenous nutrients in the form of casein and meat peptones, phosphate buffer to maintain pH and corn starch, which neutralizes toxic fatty acids that may be present in the agar. The blood provides X factor (hemin) for Haemophilus species. Vitox Enrichment is a defined supplement which provides V factor (nicotinamide adenine dinucleotide, NAD) for Haemophilus species and vitamins, amino acids, co-enzymes, dextrose, ferric ion and other factors which improve the growth of pathogenic Neisseria.

Storage

2-8⁰ C

Physical parameters

Light brown

Instructions for use

- 1-Allow the medium in the plate to dry before use and observe aseptic techniques.
- 2-Streak the specimen as soon as possible after receiving. Alternatively, if materials being cultured directly from swab, roll the swab over a small area of the surface at the edge and streak from this inoculated area.
- 3-Incubate plates at 35 ± 2° C for 24 / 48 hours, in an aerobic atmosphere supplemented with 5% carbon dioxide.

Interpretation

Microorganism

Neisseria gonorrhoeae
Neisseria meningitidis
Streptococcus pneumoniae

Haemophilus influenza

Colony Appearance

1-4 mm diameter, smooth, nonpigmented
Large, colorless to gray, opaque
Small to large, green gray, may be mucoid
Transparent, low convex or flat, entire edge

Limitations

- 1-It is recommended that biochemical, immunological, molecular, or mass spectrometry testing be performed on colonies from pure culture for complete identification.
- 2-Chocolate Agar is an enriched medium, thus non-pathogenic organisms may overgrow pathogenic bacteria
- 3-The presence or absence of *N. gonorrhoeae* in a specimen does not rule out the possible presence of other pathogenic organisms.

Waste Disposal

After interpretation all plates should be destroyed by standard incineration methods.

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