

Anaerobe Blood Agar

Selective medium for anaerobic

PP44051

Presentation

20 Prepared Plates
90 mm

Packaging Details

5 plates pack, plastic shrink wrapped - 4 packs per box

Shelf Life Storage

2,5 8-14°C

COMPOSITION

(Theoretical formula in g/l of demineralized water)

Digerido de caseína.....	10.0
Digerido péptico.....	10.0
Hemina.....	0.005
Menadiona.....	0.0005
D(+)-Glucosa.....	1.0
Extracto de levadura.....	2.0
Cloruro sódico.....	5.0
Bisulfito sódico.....	0.1
Agar.....	15.0
Sangre de oveja.....	50 ml

PREPARATION

Collect, dilute and prepare samples as required.

Spread the sample onto the plate by streaking methodology or by spiral method. Incubate the plates in inverted position in a 5% carbon dioxide enriched anaerobic atmosphere at 35-37°C for 24-48 hours. Preferably, spread with the same sample other non-enriched or non-selective media, previously defined by the laboratory, to have better and comparative results.

Different animal blood source, greater incubation times, humidity or larger percentage of carbon dioxide in atmosphere,... may be required depending on the sample, on the specifications of the laboratory, the expected isolations to be found.

Each laboratory must evaluate and report results carefully; this is highly nutritive medium allows recovery of a wide variety of fastidious anaerobic microorganisms.

Consider both hemolysis reactions and colony aspect as well as the results obtained from other culture media, as keys for microbiological identification (Calculate bacterial counts considering, if applied to the samples, the inverted dilution factors).

Presumptive isolation of any anaerobic pathogen must be confirmed by further microbiological and biochemical assays.

pH: 7.4 ± 0.2

QUALITY CONTROL

Physical/Chemical control

Color of the media: Red

Aspect: Satisfactory

pH: 7.4 ± 0.2

Weight/Volume: 20 (Quantity per unit; in gr for solid products, in ml for liquid products)

Microbiological control

Spiral spreading - 10 to 100 CFU

Anaerobiosis. Incubation at 37 °C, reading after 24-48 hours

Bacteroides fragilis ATCC 25285	Good
Clostridium perfringens ATCC 13124	Good
Streptococcus pneumoniae ATCC 49619	Good
Streptococcus pyogenes ATCC 13813	Good

Sterility Control

Incubation 24 h at 32.5 ± 2.5 °C and 72 h at 22.5 ± 2.5 °C: Satisfactory - NO GROWTH

Incubation 7 days at 32.55 ± 2.5°C: Satisfactory result- NO GROWTH

(Base sterilized by autoclaving with continuous stirring at 121°C for 15' - Sterile supplements added at 50°C)

BIBLIOGRAPHY