BRAIN HEART INFUSION AGAR

Medium for growing fastidious microorganisms.

TYPICAL FORMULA (g/L)

Brain Heart, Infusion from……..	17.5
Peptone…..……..	10.0
Glucose……..……..	2.0
Disodium Phosphate ……..	2.5
Sodium Chloride.……	5.0
Agar……	15.0

Final pH=7.4 ± 0.2

DESCRIPTION

BRAIN HEART INFUSION AGAR is used to cultivate fastidious microorganisms.

PRINCIPLE

Infusion from beef heart, calf brains and peptone provide nitrogen, carbon, sulphur and vitamins. Glucose is a carbon energy source that facilitates organisms growth. Sodium chloride maintains the osmotic balance of the medium. Disodium phosphate is a buffering agent whilst agar is a solidifying agent.

TECHNIQUE

Inoculate the medium with the specimen by stabbing the butt and streaking the slope using a sterile loop to ensure an adeguate dispersion of the organisms. Tubes are incubated at 36+/-1°C for 24-96 hours.

INTERPRETATION of RESULTS

This kind of tubes can be used to cultivate both obligate aerobes and facultative anaerobes: anaerobes can grow in the butt of the medium whilst aerobes will grow on the slant.

STORAGE

15-25°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING and PRECAUTIONS

For laboratory use.
The product doesn't contain dangerous substances according to directives 1999/45/CE and 2001/60/CE or for which exist recognized exposure limits.

DISPOSAL of WASTE

Disposal of waste must be carried out according to national and local regulations in force.

REFERENCES

1. *Ajello, L., L.K. Georg, W. Kaplan, and L. Kaufman. 1966 "Laboratory manual for medical mycology" .*
2. *Onderdonk, A.B., and S.D. Allen.1995."Clostridium", p.574-586. Manual of clinical microbiology, 6th ed. American Socety for Microbiology, Washington,.*
3. *NCCLS document M22-A2, 1996. Approved Standard.*
4. *Rosenow, E.C. 1919. Jour. Dent. Res., 1: 205-249.*

PRODUCT SPECIFICATIONS

NAME
BRAIN HEART INFUSION AGAR

PRESENTATION
Ready-to-use glass tubes containing 10+/-1 ml.

PACKGING

Code	Content	Packaging
30084	10 tubes x 10 ml	10 tubes in cardboard box

pH OF THE MEDIUM
7.4 ± 0.2

USE
BRAIN HEART INFUSION AGAR is used to cultivate fastidious microorganisms.

TECHNIQUE
Refer to technical sheet of the product.

APPEARANCE OF THE MEDIUM
Light to medium amber medium.

SHELFLIFE
1 year

QUALITY CONTROL
1. Control of general characteristics, label and print.
2. Sterility control:
   7 days at 25 ± 1 °C, in aerobiosis.
   7 days at 36 ± 1 °C, in aerobiosis.
3. Microbiological control:
   Inoculum for productivity: 10-100 UFC/ml.
   Inoculum for selectivity: 10^4-10^5 UFC/ml.
   Inoculum for specificity: ≤ 10^4 UFC/ml.
   Incubation conditions:24-96 h at 36 ± 1 °C.

Microorganism		Growth
Streptococcus pneumoniae	ATCC 6305	Good
Streptococcus pyogenes	ATCC 19615	Good
Staphylococcus aureus	ATCC 25923	Good
Neisseria meningitidis	ATCC 13090	Fair

TABLE of SYMBOLS

Symbol	Meanings
IVD	*In vitro* Diagnostic Medical Device
	Manifacturer
REF	Catalogue number
	Use by
	Temperature limitation
	Do not reuse
	Kit content
	Consult accompanying documents
LOT	Batch code

CE IVD

Liofilchem s.r.l Bacteriology Products
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