

TECHNICAL DATA SHEET

Article No. 9850

Blood Agar (base)

SYNONYMS

-

SPECIFICATION

Nutrient rich medium, suitable for the isolation of pathogenic microorganisms from clinical specimens.

FORMULA* IN G/L

Meat extract	10.00
Tryptone	10.00
Sodium chloride	5.00
Agar	15.00

Final pH 7.3 ±0.2 at 25 °C

*Adjusted and/or supplemented as required to meet performance criteria.

DIRECTIONS

Suspend 40 g of powder in 950 ml of distilled water. Heat to boiling and distribute into suitable containers. Sterilize by autoclaving at 121 °C for 15 minutes. Let it cool to 45-50 °C and then add sterile defibrinated blood in a proportion about 5 % or the desired enrichment.

DESCRIPTION

Blood Agar (base) may be used for the cultivation of non fastidious microorganisms, since it has a balanced nutrient base. For fastidious microorganisms, it is advisable to add special enrichment supplements, such as ascitic liquid, egg yolk, etc.

This medium, with the addition of blood, is suitable for studies in haemolytic activity, but for the isolation of pathogens Blood Agar Base Columbia type is recommended.

Th. Geyer GmbH & Co. KG

Dornierstr. 4 – 6
D-71272 Renningen
Tel.: +49 7159 1637-0
Fax: +49 7159 1637-710
renningen@thgeyer.de
www.thgeyer.de

BW-Bank (Swift/BIC SOLADEST600)
IBAN DE85600501010002036302
Postbank Stuttgart (Swift/BIC PBNKDEFFXXX)
IBAN DE3260010070000020708
Deutsche Bank (Swift/BIC DEUTDESSXXX)
IBAN DE06600700700125518100

St.-Nr. 70093/40018 / USt-IdNr. DE147510304
Amtsgericht Stuttgart / HRA-Nr. 254140
Persönlich haftende Gesellschafterin:
Geyer Beteiligungsgesellschaft mbH
Amtsgericht Stuttgart / HRB-Nr. 252035
Geschäftsführer: Lutz-Alexander Geyer / Thomas Roth

QUALITY CONTROL

- Incubation temperature: 37 ±1.0 °C
- Incubation time: 24-48 h
- Inoculum: Practical range 100 ±20 CFU. Min. 50 CFU (productivity), according to ISO 11133:2014. Spiral Plate Method.

Microorganism	Growth	Remarks
<i>Staphylococcus aureus</i> ATCC® 6538	Productivity >0.70	β-hemolysis
<i>Enterococcus faecalis</i> ATCC® 19433	Productivity >0.70	g-hemolysis
<i>Escherichia coli</i> ATCC® 8739	Productivity >0.70	β-hemolysis
<i>Streptococcus pyogenes</i> ATCC® 19615	Productivity >0.70	β-hemolysis
<i>Streptococcus pneumoniae</i> ATCC® 49619	Productivity >0.70	a-hemolysis
<i>Streptococcus agalactiae</i> ATCC® 12386	Productivity >0.70	β-hemolysis

REFERENCES

- ATLAS, R.M. and L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press, London.
- ISO 11133:2014. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.

STORAGE

Keep tightly closed, away from light, in a dry place (4-30 °C).

SHELF LIFE

5 years from date of production.

Th. Geyer GmbH & Co. KG

Dornierstr. 4 – 6
D-71272 Renningen
Tel.: +49 7159 1637-0
Fax: +49 7159 1637-710
renningen@thgeyer.de
www.thgeyer.de

BW-Bank (Swift/BIC SOLADEST600)
IBAN DE85600501010002036302
Postbank Stuttgart (Swift/BIC PBNKDEFFXXX)
IBAN DE32600100700000020708
Deutsche Bank (Swift/BIC DEUTDESSXXX)
IBAN DE06600700700125518100

St.-Nr. 70093/40018 / USt-IdNr. DE147510304
Amtsgericht Stuttgart / HRA-Nr. 254140
Persönlich haftende Gesellschafterin:
Geyer Beteiligungsgesellschaft mbH
Amtsgericht Stuttgart / HRB-Nr. 252035
Geschäftsführer: Lutz-Alexander Geyer / Thomas Roth