Sheep blood Agar

TN1295 500 g

Intended use
For the cultivation of fastidious bacteria, in particular fastidious streptococci and for the detection of hemolysis, in particular ß-hemolysis of *Streptococcus pyogenes*.

Form
Powder

Colour
Light beige

Storage
Dry, tightly closed, at 10...30 °C.

Shelf life
5 years

Microbiological quality control
Incubation: aerobically, 18-24 h at 36 ± 2 °C

Test with 5% sheep blood:

Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Colony morphology
Enterococcus hirae ATCC 10541 WDCM 00011	80-120	≥ 70 %	white to gray colonies
Streptococcus pneumoniae ATCC 6303	80-120	≥ 70 %	colorless colonies, α-hemolysis
Streptococcus pyogenes ATCC 19615	80-120	≥ 70 %	colorless colonies, hemolysis
Streptococcus pyogenes ATCC 12344	80-120	≥ 70 %	white to gray colonies, hemolysis
Haemophilus influenzae ATCC 49766	80-120	≥ 70 %	white to gray colonies

Testing without blood:

Test strain	CFU / plate	Recovery rate in % test vs. inoculum *)	Colony morphology
Enterococcus hirae ATCC 10541 WDCM 00011	80-120	≥ 70 %	white to cream-colored colonies
Streptococcus pyogenes ATCC 12344	80-120	≥ 70 %	white to cream-colored colonies
Streptococcus pyogenes ATCC 19615	80-120	≥ 70 %	colorless to cream-colored colonies
Staphylococcus aureus ATCC 25923 WDCM 00034	80-120	≥ 70 %	white to yellow colonies
Pseudomonas aeruginosa ATCC 27853 WDCM 00025	80-120	≥ 70 %	yellow to green colonies

*) Reference medium used: Blood Agar
A recovery rate of e.g. ≥ 70 % corresponds to a productivity ratio of $P_R \geq 0.7$.

Directions
Suspend 40.5 g in 1 litre destilled water, bring to the boil to dissolve completely. Sterilise by autoclaving at 121 °C for 15 minutes and cool to 45...50 °C.
Add 5 - 10% defibrinated sheep blood to the cooled base medium, mix carefully and pour into Petri dishes.

Typical compostion

Component	g/l
Casein pepton	14.0
Soyapepton	4.5
Yeast extract	4.5
Sodium chloride	5.0
Agar	12.5

Final pH at 25 °C
7.4 ± 0.2

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