

Sheep Blood Defibrinated



Supplement used for the enumeration and cultivation of fastidious microorganisms based on their hemolytic properties.

• CONTENTS

Sheep Blood Defibrinated 50.0 mL

Storage condition : Store in the dark, 2 to 6°C

• PROCEDURE

Suspend 40.0 G of Blood Agar Base (MB-B1005) in 950 mL of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Aseptically add 5 - 7% of Sheep Blood Defibrinated or Horse Blood Defibrinated (MB-H1883). Mix well. Pour into petri dishes.

• INTERPRETATION

Sheep Blood Defibrinated is a supplement used for the enumeration and cultivation of fastidious microorganisms based on their hemolytic properties. The supplement provides nutrients for the growth of bacteria.

• QUALITY CONTROL FOR USE

Appearance : opaque

Color : cherry red

Incubation conditions : $36 \pm 1^\circ\text{C}$ / 18 - 24 h up to 48 hours under appropriate condition

| Microorganism | ATCC | Inoculum CFU | Growth | Hemolysis |
|-----------------------------------|-------|--------------|--------|-----------|
| <i>Staphylococcus aureus</i> | 25923 | 50-100 | good | beta |
| <i>Staphylococcus epidermidis</i> | 12228 | 50-100 | good | - |
| <i>Neisseria meningitidis</i> | 13090 | 50-100 | good | - |
| <i>Streptococcus pneumoniae</i> | 6305 | 50-100 | good | alpha |
| <i>Streptococcus pyogenes</i> | 19615 | 50-100 | good | beta |

• STORE

Store Sheep Blood Defibrinated at 2 - 6°C away from light in its original package, until the expiry date shown on the label. Keep away from sources of heat and avoid excessive changes of temperature. Do not use after expiry date. Dispose of them if they show signs of deterioration. Eliminate if signs of deterioration or contamination are evident.

• REFERENCES

1. Brown, J.H.. 1919. The use of blood agar for the study of streptococci, NY Monograph No. 9. In Rockefeller Institute for Medical Research.
2. Ruoff, K.L. 1995. Streptococcus, p. 299-305. Manual of clinical microbiology, 6th ed.
3. NCCLS document M22-A2, 1996. Approved Standard.

• PACKAGE

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| Cat. No : MB-S1876 Sheep Blood Defibrinated | 1 vial |
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