

EDWARD'S AESCULIN MEDIUMSelective medium for the isolation of *Streptococcus agalactiae***Typical formula (g/l)**

Beef Extract	10.00
Peptocomplex	10.00
Sodium Chloride	5.00
Aesculin	1.00
Thallos Sulphate	0.33
Agar	15.00
Crystal Violet	1.30 mg

DIRECTIONS

Suspend 41.3 g in 1000 ml of cold distilled water; heat to boiling and sterilize at 121°C for 15 minutes. Cool to 50°C and aseptically add 5-7% of sterile defibrinated blood. Mix well and pour into sterile plates. Final pH 7.3 ± 0.2

DESCRIPTION AND TECHNIQUE

Edward's Aesculin Medium is a selective medium for the isolation of *S. agalactiae* and other streptococci which are the etiological agents of bovine mastitis.

Centrifuge the milk samples and inoculate the plates with the sediment. Incubate at 37°C for 24-48 hours.

The streptococci of bovine mastitis grow with pale colour colonies. The other streptococci, which are resistant to thallos sulphate and crystal violet, grow with black colonies.

Quality control (37°C - 24 h)

Positive control

S.agalactiae ATCC 13813: growth, alpha haemolysis**Storage**

Dehydrated medium: 15-30°C

User prepared plates: 24 hours at 2-8°C

Reference

- Edwards, S.J. (1933) J. Comp. Path. Therap., 46, 211-217.

PACKAGING**4014312 Edward's Aesculin Medium, 500 g (12.1 l)**