



Product Information

BILE ESCULIN AGAR BASE

Product Number **B1301**

Product Description

Bile Esculin Agar Base is recommended for isolation and presumptive identification of Group D *Streptococci* from food and pharmaceutical products.

Bile Esculin Agar Base was formulated by Swan for the isolation and identification of Group D *Streptococci* from food. The medium contains 4% oxgall that inhibits gram positive bacteria other than Group D *Streptococci* and *Enterococci*. *Enterococci* and Group D *Streptococci* hydrolyze esculin to esculetin and dextrose, which reacts with ferric citrate producing a brownish black precipitate.

Components

Item	g/L
Peptic Digest of Animal Tissue	5.00
Beef Extract	3.00
Oxgall	40.00
Ferric Citrate	0.50
Agar	15.00

Final pH (at 25°C) 6.6 ± 0.2

Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

Preparation Instructions

Suspend 63.5 grams of Bile Esculin Agar Base in 1000 mls of distilled water. Heat to boiling to dissolve the medium completely. Add 1 gram of E8250 Esculin and

mix. Dispense in tubes or erlenmeyer flasks. Sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes. Cool to 45-50°C and pour the media from the erlenmeyer flasks into plates. Allow the tubed medium to solidify in a slanted position.

Storage/Stability

Store the dehydrated medium at 24°C and the prepared medium at 2-8° C.

Product Profile

Appearance	Brownish, yellow colored, homogeneous free flowing powder.
Color and Clarity	Yellow colored, clear to slightly opalescent gel with a bluish tinge.
Cultural Response	Cultural characteristics are observed after 18-24 hours at 35° C in an increased atmosphere of carbon dioxide.

Organisms

Enterococcus faecalisidi
Streptococcus pyogenes
Proteus mirabilis

Growth

luxuriant
luxuriant
luxuriant

References

1. Swan A., (1954). J. Clin. Pathol., 7,160.

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