PRODUCT INFORMATION

Bile Esculin Azide Agar
Cat. No. B02-107

Date of Issue:
08/21/17

DESCRIPTION

Bile Esculin Azide Agar is used for the isolation, differentiation and presumptive identification of group D streptococci.

Formula* per Liter:

Pancreatic Digest of Casein	26.0g
Oxgall	1.0g
Sodium Chloride	5.0g
Yeast Extract	5.0g
Meat Peptone	3.3g
Esculin	1.0g
Ferric ammonium Citrate	0.5g
Sodium Azide	0.2g
Agar	15.0g

Final pH: 7.1 ± 0.2 at 25°C

** Grams per liter may be adjusted or formula supplemented to obtain desired performance.*

PREPARATION

Mix 57 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and beige.
2. Visually the prepared medium is greyish yellow, opalescent, and trace to slightly hazy.
3. Expected cultural response after 18-24 hours at 35°C.

Microorganism	Expected Results	
	Growth	Reactions
Enterococcus faecalis ATCC® 19433	Good Growth	Blackening of medium & colonies
Enterococcus faecalis ATCC® 29212	Good Growth	Blackening of medium & colonies
Enterococcus faecalis ATCC® 33186	Good Growth	Blackening of medium & colonies
Escherichia coli ATCC® 25922	Inhibited	--
Streptococcus pyogenes ATCC® 19615	Inhibited	--

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original beige.

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