

PRODUCT INFORMATION

Azide Dextrose Broth

Cat. No. A01-114

DESCRIPTION

Azide Dextrose Broth is recommended by the APHA for the isolation of fecal streptococci. Sodium Azide is used to inhibit Gram negative microorganisms, by inhibiting cytochrome oxidase, while allowing the growth of Gram positive microorganisms, particularly *Streptococcus* sp.

FORMULA (g/L)

Enzymatic Digest of Casein	15.0 g	Beef Extract	4.50 g
Dextrose	7.50 g	Sodium Chloride	7.50 g
Sodium Azide	0.20 g		

Final pH: 7.2 ± 0.2 at 25 °C

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

PREPARATION

Mix 34.7 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for one minute to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing, and light beige.
2. Visually the prepared medium is clear and light to medium amber.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Enterococcus faecalis</i> ATCC 19433	Growth
<i>Escherichia coli</i> ATCC 25922	Inhibition
<i>Enterococcus faecalis</i> ATCC 29212	Growth



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 color.