



Actero™ Violet Red Bile Agar Product Information

Catalogue No.	Description
FCM-075	Actero™ Violet Red Bile Agar (500 G)
FCM-074	Actero™ Violet Red Bile Agar (2 KG)
FCM-073	Actero™ Violet Red Bile Agar (10 KG)

INTENDED USE

Violet Red Bile Agar is used for the detection and determination of coliforms in food, milk, water, and other sanitary materials. It is a selective medium which detects the growth of lactose fermenting coliforms. Neutral red within this formulation acts as a pH indicator while Crystal Violet and Bile Salts inhibit the growth of gram-positive microorganisms. Coliform colonies lower the pH of the medium subsequently causing their colonies to look red (Neutral Red Dye) and to precipitate the bile salts.

Formula* per Liter:

Pancreatic Digest of Gelatin..... 7.0g
Bile Salts #3 1.5g
Sodium Chloride 5.0g
Neutral Red 0.03g
Crystal Violet 0.002g
Yeast Extract 3.0g
Lactose 10.0g
Agar..... 15.0g

Final pH: 7.4 ± 0.2 at 25°C

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

PREPARATION

Mix 41.5 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and boil for two minutes. DO NOT AUTOCLAVE. Cool to 45 to 46°C and dispense 15-20 mL into 100 mm petri dishes containing inoculum. After solidification of the inoculated medium, evenly add a cover of 4 mL of the cooled (45-46°C) agar medium.

QUALITY CONTROL SPECIFICATIONS

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

Organism	Result
<i>Proteus mirabilis</i> ATCC® 12453	Growth, Colorless colonies
<i>Salmonella typhimurium</i> ATCC® 14028	Growth, Colorless colonies
<i>Escherichia coli</i> ATCC® 25922	Growth, Pink to red-purple colonies, Bile precipitate
<i>Enterococcus faecalis</i> ATCC® 29212	Inhibition
<i>Enterobacter aerogenes</i> ATCC® 13048	Growth, Pink to red colonies, Bulls eye

Storage Instructions:

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 light red-beige color.

