

VIOLET RED BILE AGAR MUG

**Powdered and ready to use medium for
the isolation and enumeration of coliforms and *E.coli* in foodstuffs.**

TYPICAL FORMULA (g/l)

Peptone	7.000
Yeast Extract	3.000
Bile Salts No.3	1.500
Lactose	10.000
Sodium Chloride	5.000
Neutral Red	0.030
Crystal Violet	0.002
Agar	15.000
MUG	0.100

DIRECTIONS FOR POWDERED MEDIUM

Suspend 41.5g in 1000ml of cold distilled water. Heat to boiling and boil for about 2 minutes, cooling in a water bath to approximately 45°C and transfer to inoculated Petri dishes. Sterilisation is not necessary. However, if the plates have to be stored in the refrigerator it is advisable to autoclave the medium at 121°C for 15 minutes. This will not appreciably diminish the productivity of the medium

Final pH 7.4 ± 0.2

DIRECTIONS FOR READY TO USE MEDIUM IN FLASKS

Dissolve the contents of the bottle in a temperature controlled water batch (100°C). Cool to 45-50°C, mix well and distribute into sterile Petri dishes

Final pH 7.4 ± 0.2

DESCRIPTION

Violet Red Bile Agar MUG is used for the detection of *E.coli* with direct plating method in water and foods.

Incubate the inoculated plates for 18-24 hours and observe periodically for the development of fluorescence under a Wood's lamp. Refer to various compendia for the test being performed and to technical sheet of Violet Red Bile Agar for the details of the procedure for the detection and confirmation of coliforms.

USER QUALITY ASSURANCE (37°C-24 hrs)

Productivity Control

E.coli ATCC 25922: growth, red purple colonies, fluorescent under a Wood's lamp

Specificity Control

E.aerogens ATCC 13048: growth, red purple colonies, no fluorescent under a Wood's lamp

Selectivity control

E.faecalis ATCC 19433 : inhibited

STORAGE

Dehydrated medium: 2-8°C

User prepared flasks: 1 month at 2-8°C in the dark

PACKAGING

4021861	Violet Red Bile Agar MUG	100g (2.4 l)
4021862	Violet Red Bile Agar MUG	500g (12 l)
4021864	Violet Red Bile Agar MUG	5kg (120 l)
542186	Violet Red Bile Agar MUG	20 ready to use plates
5121862	Violet Red Bile Agar MUG	6 x 100ml ready to use flasks