
Product Specification

Product Name: Violet Red Bile Glucose Agar (VRBA)

Product Code: SG7208 / SG7209

PRODUCT DESCRIPTION:

Violet Red Bile Agar with glucose (VRBA) is used for the detection and enumeration of coliforms in dairy products, water and food. This product is available in both dehydrated and granulated form.

Use:

Stir to suspend 38.5 g of dehydrated/granulated medium in 1L distilled H₂O. Mix well with heat with frequent agitation. Boil for one minute. Autoclave for 15 minutes at 121°C to sterilize. Allow to cool (40 – 45°C) before making additions, such as antibiotics (if desired). For laboratory use only.

Components:

Peptone – 7.0g/L

Yeast Powder – 3.0g/L

Sodium Chloride – 5.0g/L

Glucose – 10.0g/L

Bile Salts No. 3 – 1.5g/L

Crystal Violet – 0.002g/L

Neutral Red – 0.03g/L

Agar – 12.0g/L

Item	Description
<u>Physical and Chemical Tests</u>	
Appearance (dry):	Faint Orange to Red-Brown Powder / Granules
pH (@25°C):	7.4 ± 0.2
<u>Microbiological Tests</u>	
Citrobacter freundii (CMCC(B)48098)	<u>Quality Control Results</u> PR ≥ 0.7, purple-red or red colonies with a ring of bile salt precipitation around them
Escherichia coli (CMCC(B)43201)	PR ≥ 0.7, purple-red or red colonies with a ring of bile salt precipitation around them
Staphylococcus aureus (CMCCB26305)	G ≤ 1

* The microbiological test results were obtained from type cultures after incubation at a temperature of 36±1°C and observed after 24 hours.

Storage: Store in a dry and dark place at room temperature. Tighten the cap immediately after use.