

## Violet Red Bile Agar

Product No.	Product Category	Specification
HCM071	Dehydrated Culture Medium	500g/bottle
022221	Dehydrated Culture Medium	250g/bottle

### Intended Use

For the enumeration of coliforms in food and dairy products.

### Principle and Interpretation

Peptone and yeast extract powder provides carbon and nitrogen sources and trace elements; lactose are fermentable sugars; sodium chloride maintains osmotic equilibrium; the 3rd bile salts and crystal violet inhibiting gram-positive bacteria, especially against Gram positive bacteria and fecal streptococci; neutral red as pH indicator.

### Formulation

Ingredients	/liter
Yeast extract	3.0 g
Peptone or gelysate	7.0 g
NaCl	5.0 g
Bile salts or bile salts No. 3	1.5 g
Lactose	10.0 g
Neutral red	0.03 g
Crystal violet	0.002 g
Agar	15.0 g
pH7.4±0.2 at 25°C	

### Preparation

Weigh 41.5g of dry powder of this product, add 1L of distilled water or deionized water, stir, heat and boil until completely dissolved, , Do not autoclave. cool to room temperature and set aside.

### Quality Control

The following quality control strains were inoculated and cultured at 30-35°C for 24h. The results are as follows:

Quality control strains	Recovery	Characteristic reaction
<i>Escherichia coli</i> ATCC25922	PR≥0.7	Purple-red or red colonies with a precipitation ring
<i>Citrobacter freundii</i> ATCC43864		Red colonies with precipitate rings

**GUANGDONG HUANKAI MICROBIAL SCI.&TECH.CO.,LTD.**

Address: No. 788 Shenzhou Road, Science City, Huangpu District, Guangzhou, Guangdong, China

Email: support@hkmbio.com

Website: <https://www.huankaigroup.com>

# Technical Data Sheet



<i>Salmonella enterica</i> serovar <i>Typhimurium</i> ATCC14028	-	Colorless translucent colonies
<i>Enterococcus faecalis</i> ATCC29212	G≤3	-

## Storage and Shelf Life

2-30°C, Keep container tightly closed, avoid direct sunlight.

Use before expiry date on the label.

## Precautions

1. When weighing the dehydrated medium, please wear masks to avoid causing respiratory system discomfort
2. Keep container tightly closed after using to prevent clumping.

## Waste Disposal

Microbiological contamination was disposed by autoclaving at 121°C for 30 minutes.

## Revision

On June 14, 2024

## References

BAM Media M174: Violet Red Bile Agar (VRBA)

**GUANGDONG HUANKAI MICROBIAL SCI.&TECH.CO.,LTD.**

Address: No. 788 Shenzhou Road, Science City, Huangpu District, Guangzhou, Guangdong, China

Email: support@hkmbio.com

Website: <https://www.huankaigroup.com>