

## Technical Information

### Kracke Blood Culture MiVeg Medium

**Product Code : VM1171**

**Application:-** Kracke Blood Culture MiVeg Medium is suitable for culturing anaerobic bacteria from bacteremic blood.

### Composition

Ingredients	Gms / Litre
MiVeg infusion	2.0
MiVeg special infusion	1.0
MiVeg peptone No. 3	10.0
Sodium chloride	49.0
Dextrose	10.0
Sodium citrate	1.0
Disodium phosphate	2.0
Final pH (at 25°C)	7.4 ± 0.2

\*\* Formula adjusted, standardized to suit performance parameters.

### Principle & Interpretation

Kracke Blood Culture MiVeg Medium is prepared by adding vegetable peptones in place of animal based peptones thus making the medium free from BSE/TSE risks. Kracke Blood Culture MiVeg Medium is the modification of Kracke Blood Culture Medium which was developed by Kracke and Teasley (1) for culturing anaerobic bacteria from blood in case of bacteremias.

Like conventional medium, this medium can also be used for maintaining cultures isolated from blood and for carrying stock cultures (2). Sodium citrate in the medium prevents blood clotting and helps in fixing the complement as well.

### Methodology

Suspend 3.75 grams of powder media in 50 ml distilled water. Mix thoroughly and heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Dispense as desired.

### Quality Control

#### Physical Appearance

Light yellow coloured, may have slightly greenish tinge, homogeneous, free flowing powder.

#### Colour and Clarity of prepared medium

Light amber coloured, clear solution without any precipitate.

#### Reaction

Reaction of 7.5% w/v aqueous solution is pH 7.4 ± 0.2 at 25°C.

#### pH Range

7.2 - 7.6

#### Cultural Response/Characteristics

Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.

#### Organisms (ATCC)

#### Growth

*Salmonella* serotype Typhi (6539)

luxuriant

*Streptococcus pyogenes* (19615)

luxuriant



Dehydrated Culture Media  
Bases / Media Supplements

## Storage and Shelf Life

**Dried Media:** Store below 30°C in tightly closed container and use before expiry date as mentioned on the label.

**Prepared Media:** 2-8° in sealable plastic bags for 2-5 day.

## Further Reading

1. Kracke and Teasley, 1930, J. Lab. Clin. Med., 16:169.

2. Feder, 1937, J. Lab. Clin. Med., 22:846.

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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