

## PRODUCT INFORMATION

CLED Agar, Bevis

Cat. No. C03-117

### DESCRIPTION

CLED Agar, Bevis is recommended for the cultivation and detection of urinary pathogens. CLED Agar (Cystine-Lactose-Electrolyte-Deficient) was first formulated by Sandys and later modified by Mackey and Sand. In the presence of the indicator dye bromothymol blue, lactose fermenting bacteria produce yellow colonies while non-lactose fermenting bacteria give blue colonies.

### FORMULA (g/L)

Acid Fuchsin	0.1 g	Pancreatic Digest of Gelatin	4.0 g
Enzymatic Digest of Casein	4.0 g	Beef Extract	3.0 g
Lactose	10.0 g	L-Cystine	0.128g
Bromothymol Blue	0.02 g	Agar	15.0 g

Final pH: 7.3 ± 0.2 at 25 °C

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

### PREPARATION

Mix 36.2 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121.0°C for 15 minutes.

### QUALITY CONTROL SPECIFICATIONS

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

ORGANISM	RESULT
<i>Escherichia coli</i> ATCC 25922	Good, Red Colonies
<i>Proteus mirabilis</i> ATCC 12453	Growth, Clear Colonies
<i>Salmonella typhimurium</i> ATCC 14028	Growth, Clear Colonies
<i>Staphylococcus aureus</i> ATCC 25923	Growth, Red Colonies



## **STORAGE**

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 color.

Version 01 – Date 06/20/24