



## Product Information

### C.L.E.D. AGAR WITH BROMO THYMOL BLUE (CYSTINE-LACTOSE-ELECTROLYTE-DEFICIENT)

Product Number **C5470**  
Storage Temperature 24°C

#### Product Description

C.L.E.D. Agar with Bromo Thymol Blue is recommended for isolation, enumeration and identification of urinary pathogens on the basis of lactose fermentation. C.L.E.D. includes L-cystine for promoting the growth of cystine dependant dwarf colony coliforms. This medium is recommended for use in urinary bacteriology promoting the growth of all urinary pathogens. Peptic digest of animal tissue, beef extract, casein enzymic hydrolysate provide essential growth nutrients. Lactose is the fermentable sugar. Bromo thymol blue is the pH indicator which turns yellow at acidic pH.

#### Components

Item	g/L
Peptic Digest of Animal Tissue	4.00
Casein Enzymic Hydrolysate	4.00
Beef Extract	3.00
Lactose	10.00
L-Cystine	0.128
Bromo Thymol Blue	0.02
Agar	15.00

Final pH (at 25°C) 7.3 ± 0.2

**Precautions and Disclaimer** For laboratory use only.  
Not for drug, household or other uses.

#### Preparation Instructions

Suspend 36.15 grams of C.L.E.D. Agar with Bromo Thymol Blue in 998 mls of distilled water. Boil to

dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes.

#### Storage

Store the dehydrated medium at 24°C and the prepared medium at 2-8° C.

#### Product Profile

Appearance Yellow colored, homogeneous, free flowing powder.

Gelling Firm.

Color and Clarity Green colored, very slightly opalescent forms in petri plates.

Cultural Response Cultural characteristics observed after 18-24 hours at 35-37°C.

Organisms	Growth	Color of Colony
<i>Klebsiella pneumoniae</i>	luxuriant	yellow
<i>Escherichia coli</i>	luxuriant	yellow
<i>Proteus vulgaris</i>	luxuriant	blue
<i>Salmonella typhi</i>	luxuriant	blue
<i>Staphylococcus aureus</i>	luxuriant	deep yellow
<i>Enterococcus faecalis</i>	luxuriant	slight yellow

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.