

CLED Agar (Brolacin Agar)

TN 1115 500 g



Intended use

Used for the determination of the colony count, isolation and initial differentiation of urinary tract pathogens.

Form

Powder

Colour

Greenish

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

| Component | g/l |
|--------------------|-------|
| Casein peptone | 3 |
| Meat peptone | 3 |
| Meat extract | 3 |
| Casein hydrolysate | 2 |
| Yeast extract | 1 |
| Lactose | 10 |
| L-Cystine | 0.128 |
| Bromothymol blue | 0.02 |
| Agar | 12.2 |

Directions

Suspend 34.3 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes. Mix well and pour plates.

Final pH at 25 °C

7.4 ± 0.2

Microbiological quality control

Incubate CLED Agar (Brolacin Agar) aerobically for 18-24 hours at 36 ± 1°C.

| Test strain | ATCC no. | CFU/ plate | Recovery rate in % | Colony morphology |
|-------------------------------|----------|------------|--------------------|-------------------------------------------------------------------------------|
| <i>Escherichia coli</i> | 8739 | 10-100 | >50 % | yellow colonies, culture medium yellow |
| <i>Escherichia coli</i> | 25922 | 10-100 | >50 % | yellow colonies with yellow corona |
| <i>Salmonella</i> Typhimurium | 14028 | 10-100 | >50 % | bluish-green colonies, culture medium unchanged |
| <i>Pseudomonas aeruginosa</i> | 9027 | 10-100 | >50 % | bluish-green colonies, culture medium unchanged |
| <i>Shigella flexneri</i> | 25929 | 10-100 | >50 % | bluish-green colonies, culture medium unchanged |
| <i>Proteus mirabilis</i> | 29906 | 10-100 | >50 % | bluish-green colonies, culture medium unchanged, swarming partially inhibited |
| <i>Proteus vulgaris</i> | 13315 | 10-100 | >50 % | bluish-green colonies, culture medium unchanged, swarming inhibited |
| <i>Klebsiella pneumoniae</i> | 13883 | 10-100 | >50 % | whitish-yellow colonies, culture medium yellow |
| <i>Staphylococcus aureus</i> | 6538 | 10-100 | >50 % | yellow colonies, culture medium yellow |
| <i>Enterococcus faecalis</i> | 29212 | 10-100 | >50 % | yellow colonies, culture medium yellow |

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