

Product Name : Wurtz Lactose Agar

Medium for enterobacteria isolation and differentiation from clinical samples.

TYPICAL FORMULA (G/L)

Peptone 5.0
Lactose10.0
Sodium Chloride 5.0
Beef Extract 3.0
Brom Thymol Blue0.075
Agar15.0
Final pH = 7.0 ± 0.2 at 25°C.

DIRECTIONS

Suspend 38.08 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes. Dispense in petri dishes.

DESCRIPTION

Wurtz Lactose Agar is a medium for isolation and differentiation of enterobacteria from clinical samples: coliforms grow with yellow colonies and colour change of the medium to yellow; the lactose non-fermenting enterobacteria grow with blue colonies due to the alkalization of the medium caused by peptone decomposition with ammonia ions production.

TECHNIQUE

Inoculate the specimen spreading on the surface of the medium using a sterile loop. Incubate at 36 ± 1°C for 18-24 hours.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: pink.

Prepared medium

Appearance: very slightly to slightly opalescent.

Color: reddish-orange.

Incubation conditions: 36 ± 1°C / 18-24 hours.

Microorganism	ATCC	Growth	Characteristics
<i>Proteus vulgaris</i>	8427	good	blue colonies
<i>Escherichia coli</i>	25922	good	yellow colonies
<i>Staphylococcus aureus</i>	25923	good	yellow colonies

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STORAGE

The powder is very hygroscopic: store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-6°C.

REFERENCES

1. Murray, Baron, Pfaller, Tenover, Tenover, Tenover, Tenover, Tenover (Ed.) 1995. Manual of clinical microbiology, 6th ed. American society for Microbiology , Washington, D.C.

PACKAGING

Cat. No : MB-W1211 Wurtz Lactose Agar	500 G
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