

WURTZ LACTOSE AGAR

Medium for enterobacteria isolation and differentiation from clinical samples.

| TYPICAL FORMULA | (g/l) |
|--------------------------------|-------|
| Peptone | 5.0 |
| Lactose | 10.0 |
| Sodium Chloride | 5.0 |
| Beef Extract | 3.0 |
| Brom Thymol Blue | 0.075 |
| Agar | 15.0 |
| Final pH = 7.0 ± 0.2 at 25 °C. | |

DIRECTIONS

Suspend 38.1 g of powder in 1 liter 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 color change of the medium to yellow; the lactose non-fermenting enterobacteria grow with blue colonies due the alkalization of the medium caused by peptones 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 for 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 |

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, 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 plates at 2-8 °C.

REFERENCES

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



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PRESENTATION









| | | |
|-----------------------------|------------|---|
| Product | REF |  |
| WURTZ LACTOSE AGAR (13.1 l) | 611210 | 500 g |
| WURTZ LACTOSE AGAR (2.6 l) | 621210 | 100 g |

TABLE OF SYMBOLS

| | | | | |
|-----------------------------|---|--|---|--|
| LOT Batch code |  Caution, consult accompanying documents |  Manufacturer |  Contains sufficient for <n> tests | IVD <i>In Vitro</i> Diagnostic Medical Device |
| REF Catalogue number |  Fragile, handle with care |  Use by |  Temperature limitation |  Keep away from heat source |



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