

# Water-blue Metachrome-yellow Lactose Agar acc. to Gassner, Modified (Gassner Agar, Modified)

TN 1194 500 g  
TN 1195 5 kg



## Intended use

Used for the detection and isolation of Enterobacteriaceae from foodstuffs (especially meat) and other test materials.

## Form

Powder

## Colour

Beige

## Storage

Dry, tightly closed, at 10...25 °C.

## Shelf life

5 years

## Typical composition

Component	g/l
Meat peptone	4.4
Casein peptone	4.4
Yeast extract	2.7
Lactose	10
Sucrose	10
Sodium chloride	5
Metachrome-yellow	0.8
Water-blue	0.4
Agar	12.6

## Directions

Suspend 50.3 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

## Final pH at 25 °C

7.0 ± 0.2

## Microbiological quality control

Incubate Water-blue Metachrome-yellow Lactose Agar acc. to Gassner, Modified (Gassner Agar) aerobically for 18-22 hours at 36 ± 1 °C.

Test strain	ATCC no.	CFU/ plate	Recovery rate	Colony morphology
<i>Escherichia coli</i>	25922	10-100	>50 %	blue with blue corona
<i>Escherichia coli</i>	10536	10-100	>50 %	blue with blue corona
<i>Escherichia coli</i>	8739	10-100	>50 %	blue with blue corona
<i>Enterobacter cloacae</i>	13047	10-100	>50 %	blue with blue corona
<i>Salmonella</i> Typhimurium	14028	10-100	>50 %	yellow with yellow corona
<i>Proteus mirabilis</i>	29906	10-100	>50 %	yellow with yellow corona, swarming
<i>Shigella flexneri</i>	29929	10-100	>50 %	yellow with yellow corona
<i>Enterococcus faecalis</i>	29212	100-1000	<0.1 %	n.a.
<i>Staphylococcus aureus</i>	25923	100-1000	<0.1 %	n.a.