

China-blue Lactose Agar

TN 1114 500 g



Intended use

Used for the determination of the colony count and for the differentiation of bacteria from milk.

Form

Powder

Colour

Bright greenish

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

4 years

Typical composition

Component	g/l
Peptone	10
Yeast extract	3
Lactose	10
Sodium chloride	5
China-blue	0.45
Agar	10

Directions

Suspend 38.5 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

Final pH at 25 °C

7.1 ± 0.2

Microbiological quality control

Incubate China-blue Lactose Agar aerobically for 20-24 hours at 36 ± 1 °C.

Test strain	No.	Colony colour	Differentiation lactose-positive/lactose-negative bacteria
<i>Escherichia coli</i>	ATCC 25922	blue	Lactose-positive
<i>Pseudomonas aeruginosa</i>	ATCC 27853	colourless	Lactose-negative
<i>Enterococcus faecium</i>	147f	colourless	Lactose-negative
<i>Streptococcus agalactiae</i>	226/71	blue	Lactose-positive
<i>Enterococcus faecalis</i>	ATCC 29212	colourless	Lactose-negative
<i>Streptococcus durans</i>	ATCC 27853	blue	Lactose-positive
<i>Bacillus cereus</i>	ATCC 11778	colourless	Lactose-negative