

Simmons Citrate Agar

TN 1184 150 g



Intended use

Used to differentiate Enterobacteriaceae on the basis of the utilisation of citrate as the sole source of carbon (in accordance with DIN 38411 (§ 64 German Food and Feed Code)).

Form

Powder

Colour

Greenish

Storage

Dry, tightly closed, at 10...25°C.

Shelf life

5 years

Typical composition

Component	g/l
Ammonium dihydrogen phosphate	1
Dipotassium hydrogen phosphate	1
Magnesium sulfate	0.2
Sodium chloride	5
Sodium citrate	2
Bromothymol blue	0.08
Agar	6

Directions

Suspend 15.3 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes. Pour slant agar or plates.

Final pH at 25 °C

6.8 ± 0.2

Microbiological quality control

Incubate Simmons Citrate Agar aerobically for 24 ± 4 hours at 36 ± 1 °C.

Test strain	Colour change to blue
<i>Citrobacter freundii</i> ATCC 8090	positive
<i>Enterobacter cloacae</i> ATCC 13047	positive
<i>Salmonella Typhimurium</i> ATCC 14028	positive
<i>Salmonella Enteritidis</i> ATCC 13076	positive
<i>Salmonella Paratyphi</i> ATCC 9150	negative
<i>Escherichia coli</i> ATCC 8739	negative