

KOSER CITRATE BROTH

A differential medium for the differentiation of bacteria on the basis of citrate utilisation.

Dehydrated media	
Code number:	500 g: KSB20500, 5 kg: KSB25000
Colour:	White
Appearance:	Homogeneous powder
pH before autoclaving (25 °C):	6,5 – 6,9

Direction: Suspend **6 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into test tubes and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: KSB30100, 500 ml: KSB30500
Tubed media:	100 x 12 mm: KSB40003 (3 ml)
Colour:	Pale pink
pH (25 °C):	6,6 – 6,8

Direction: Dispense the bottled media aseptically into test tubes. Media in tubes are ready to use.

FORMULA in g/l l

Sodium citrate	3,000
Magnesium sulphate	0,200
Phenol red	0,015
Buffers	2,800

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Enterobacter aerogenes</i> ATCC 13048		Positive, colour change to red	
<i>Escherichia coli</i> ATCC 25922		Negative, without colour change	

References: Koser (1923) J. Bacteriol. 8: 493.

In vitro diagnostic – for professional use only!