

## DEOXYCHOLATE CITRATE AGAR, LEIFSON

A selective and differential medium for the isolation of Gram-negative enteric micro-organisms. Deoxycholate Citrate Agar, Leifson is less selective than Deoxycholate Citrate Agar, Hynes.

Dehydrated media	
Code number:	500 g: DCC20500, 5 kg: DCC25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	6,8 – 7,2

**Direction:** Suspend **66 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Mix well before pouring.

### Warning!

The medium is heat sensitive.  
No further sterilisation is necessary or desirable.

Prepared media	
Bottled media:	100 ml: DCC30100, 500 ml: DCC30500
Plated media:	55 mm: DCC50055, 90 mm: DCC50090
Colour:	Brownish
pH (25 °C):	6,9 – 7,1

**Direction:** Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

## FORMULA in g/l

Peptones	27,50
Lactose	10,00
Sodium citrate	5,00
Sodium thiosulphate	5,00
Sodium deoxycholate	2,50
Ferric citrate	1,00
Neutral red	0,02
Agar	15,00

**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 media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

### Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Salmonella typhimurium</i>	ATCC 14028	Good, colourless colonies with black centre	
<i>Escherichia coli</i>	ATCC 25922	Partially inhibited, rose-red colonies	
<i>Proteus mirabilis</i>	ATCC 29906	Inhibited	
<i>Enterococcus faecalis</i>	ATCC 29212	Inhibited	

**References:** Leifson (1935) J. Path. Bact. 40: 581.

**In vitro diagnostic – for professional use only!**