

Desoxycholate Citrate Agar (DCLS Agar) Modified

TN 1121 500 g



Intended use

Used for the detection and isolation of salmonellae and shigellae.

Form

Powder

Colour

Beige

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Typical composition

Component	g/l
Meat peptone	5
Meat extract	2.5
Yeast extract	2.5
Lactose monohydrate	10
Sucrose	10
Sodium thiosulphate	5
Sodium citrate	1
Sodium desoxycholate	2.5
Ammonium iron (III) citrate	1
Neutral red	0.02
Agar	10

Directions

Suspend 49.5 g in 1 litre distilled water. Heat carefully, stirring frequently, until completely dissolved. Do not autoclave! Mix well and pour plates.

Final pH at 25 °C

7.5 ± 0.2

Microbiological quality control

Incubate Desoxycholate Citrate Agar (DCLS Agar) Modified aerobically for 22-24 hours at 36 ± 1 °C.

Test strain	No.	CFU / plate	Growth	Colony morphology
<i>Shigella flexneri</i>	66	10-100	good	colourless colonies
<i>Shigella sonnei</i>	S 901 (87)	10-100	good	colourless or pink colonies
<i>Shigella flexneri</i>	1 a	10-100	good	colourless colonies
<i>Salmonella</i> Paratyphi	B 8006	10-100	good	colourless colonies with black centre
<i>Salmonella</i> Typhimurium	ATCC 13311	10-100	good	colourless colonies with black centre
<i>Salmonella</i> Typhi	H 901	10-100	good	colourless colonies
<i>Yersinia enterocolitica</i>	9	10-100	good	red colonies
<i>Proteus vulgaris</i>	Hx 19	10-100	good	colourless or pink colonies, no swarming
<i>Morganella morganii</i>	25/60	10-100	good	colourless colonies
<i>Escherichia coli</i>	ATCC 8739	100-1000	inhibited	inhibited pinkish-red colonies

Date of revision: 2016/01/15

Manufacturer: sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 927 030-0 | F: +49 30 927 030-30 | info@sifin.de | www.sifin.de