

## PRODUCT SPECIFICATION

## OXOID DESOXYCHOLATE CITRATE AGAR (HYNES)

PO0126A

## Typical Formula\*

	grams per litre
Peptone	5.0
'Lab-Lemco' Powder	5.0
Lactose	10.0
Sodium desoxycholate	5.0
Sodium citrate	8.5
Sodium thiosulphate	5.4
Ferric citrate	1.0
Neutral red	0.02
Agar	12.0

\*adjusted as required to meet performance standards

## Preparation

Suspend DCA (Hynes) (52.0 grams / litre) in de-ionised water. Dissolve at 100°C. Aseptically dispense into Petri dishes. Label dishes, wrap and label pack.

## Format

Ten 90mm plates wrapped in a single nylon film wrap. Each plate is ink-jet printed with (abbreviated) product name, product code, lot number and expiry date.

## Labels

Label gives details of product name, product code, recommended storage temperature, lot number and expiry date.

## Physical Characteristics

pH	7.3 ± 0.2
Colour	Pink
Clarity	Clear
Fill weight	19.0 ± 2.0g

## Packaging and presentation

General appearance of packaging and label should be satisfactory. Label data should be correct.

## Contamination Check

Macroscopic examination should show no evidence of microbial growth after incubation at 30 - 34°C for ≥ 72 hours.

## Microbiological Tests Using Optimum Inoculum Dilution

## Results after incubation at 35 - 39°C for 18 - 24 hours

Positive controls

Inoculum 10 - 100 colony forming units

<i>Shigella sonnei</i>	ATCC® 25931	Irregular, straw colonies
<i>Salmonella</i> Typhimurium	ATCC® 14028	Straw colonies with black centres

Colony counts shall be equal to or greater than 50% of the control medium (Tryptone Soya Agar).

Negative control

Inoculum 10,000 – 100,000 colony forming units

*Enterococcus faecalis*

ATCC® 29212

No growth

**Storage conditions**

Store away from the light between 2 - 10°C.

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