

PRODUCT SPECIFICATION

OXOID BRAZIER'S CLOSTRIDIUM DIFFICILE SELECTIVE AGAR (HPA) PB1055A

Typical Formula*

	grams per litre
Peptone mix	23.0
Sodium chloride	5.0
Soluble starch	1.0
Agar	12.0
Sodium bicarbonate	0.4
Glucose	1.0
Sodium pyruvate	1.0
Cysteine HCl	0.5
Haemin	0.01
Vitamin K	0.001
L-arginine	1.0
Soluble pyrophosphate	0.25
Sodium succinate	0.5
Cholic acid	1.0
p-hydroxyphenylacetic acid	1.0

Additions

Cycloserine Cefoxitin Supplement

D-Cycloserine	250.0mg
Cefoxitin	8.0mg
Lysed horse blood	10ml
Egg yolk emulsion	40ml

*adjusted as required to meet performance standards

Preparation

Suspend Braziers Clostridium Difficile Selective Agar (48.0 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Cool and aseptically add lysed horse blood (10ml / litre), Egg Yolk Emulsion (40ml / litre) and Cycloserine Cefoxitin Supplement as above, mix. 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	7.0 ± 0.2
Colour	Amber/ brown
Clarity	Semi-opaque
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 36-48 hours under anaerobic conditions

Positive control

Inoculum 10 - 100 colony forming units

<i>Clostridium difficile</i>	NCTC 11204	1.0-2.0mm opaque, grey white colonies
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Colony counts shall be equal to or greater than 50% of the control medium (Columbia Blood Agar).

Results after incubation at 35-39°C for 36-48 hours under aerobic conditions

Negative control

Inoculum 10,000 - 100,000 colony forming units

<i>Escherichia coli</i>	ATCC® 11775	No growth
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The inoculum is determined on the control medium (Tryptone Soya Agar).

Storage conditions

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

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