

## OXOID PRODUCT SPECIFICATION

### BRAZIER'S CLOSTRIDIUM DIFFICILE SELECTIVE AGAR

PB1122C

#### Typical Formula

	grams per litre
Peptone mix	23.0
Sodium chloride	5.0
Soluble starch	1.0
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
Agar	12.0

#### Additions

Egg yolk emulsion	40ml
Lysed horse blood	10ml
Cycloserine / Cefoxitin Supplement	
D- Cycloserine	250mg
Cefoxitin	8mg

#### Preparation

Suspend Brazier's CCEY Agar (48 grams / litre) in de-ionised water. Sterilise at 121°C for 15 minutes. Cool, aseptically add egg yolk emulsion (40 millilitres / litre), lysed horse blood (10 millilitres / litre) and Cycloserine / Cefoxitin Supplement as above, mix. Aseptically dispense into 55mm contact dishes. Label dishes, wrap and label pack.

#### Format

Ten 55mm contact plates, wrapped in a single cellulose-based 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

##### Physical Tests

pH	7.0 ± 0.2
Colour	Amber / Brown
Clarity	Semi-opaque
Fill weight	17.75g ± 1.25g

#### Packaging and presentation:

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

## **Sterility Test**

Macroscopic examination should show no evidence of microbial growth after incubation at 20-24°C and 30-34°C for 5 days.

## **Microbiological Tests Using Optimum Inoculum Dilution**

**Results after incubation at 35-39°C for 36-48 hours under anaerobic conditions  
(for details refer to Oxoid Manual – Atmosphere Generation Systems)**

### Positive control

Inoculum 10-100 colony forming units

*Clostridium difficile*                      NCTC 11204                      grey / white colonies

Colony counts shall be equal to or greater than 50% of the control medium

**Results after incubation at 35-39°C for 36-48 hours**

### Negative control

Inoculum 10,000-100,000 colony forming units

*Escherichia coli*                      ATCC® 11775                      No growth

## **Storage conditions**

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