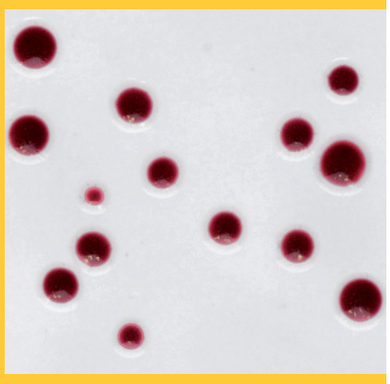
OXOID

Culture Media

Brilliance CampyCount



***Brilliance*™ CampyCount Agar - a chromogenic selective medium for the enumeration of *C. jejuni* and *C. coli* from poultry and related samples.**

OBSERVATION MADE SIMPLE

- Dark red colonies on a clear background

QUANTITATIVE

- Novel selectivity enables accurate, quantitative recovery of target organisms

ACCURATE CALCULATION

- Transparent medium allows enumeration on plate readers

EASY IDENTIFICATION

- Reduced *Campylobacter* swarming for improved isolation of individual colonies

VALIDATED

- ISO 16140 validated by MicroVal

MICROVAL

MicroVal certificate no. MV2008LR12

Oxoid *Brilliance* CampyCount Agar

Brilliance CampyCount Agar is a new medium specifically designed for accurate, specific and easy enumeration of *C. jejuni* and *C. coli*, as opposed to presence/absence testing. It is a highly selective, easy-to-read agar medium for the presumptive identification and enumeration of *C. jejuni* and *C. coli* from poultry and related samples.

Brilliance CampyCount Agar is a transparent medium which makes identification of *C. jejuni* and *C. coli* significantly easier than on traditional charcoal or blood containing agars. It contains an indicator that, when metabolised by the target organisms, changes colour. As it builds up in the cells it turns colonies dark red, making all *C. jejuni* and *C. coli* colonies readily identifiable.

The components of *Brilliance* CampyCount Agar have been carefully designed to maximise growth of *C. jejuni* and *C. coli* while inhibiting non-target organisms. This defined formulation means the medium can be used to accurately enumerate the loading of *C. jejuni* and *C. coli* on poultry carcasses and related samples.

Protocol for enumeration of *C. jejuni* and *C. coli* using *Brilliance* CampyCount Agar

Day 0: Plating

Dilute sample in appropriate diluent

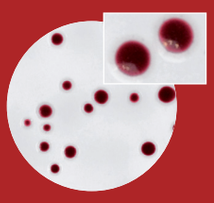
+

In duplicate, spread 0.1mL of appropriate dilution onto 2 x *Brilliance* CampyCount Agar plates

Incubate for 48h ± 1h at 41.5°C in a microaerobic atmosphere

Day 2: Results

If present, select at least 5 well isolated, dark red colonies



Confirm using O.B.I.S. Campy

Alternatively, confirm colonies using standard ISO methods

Campylobacter Food Poisoning

Campylobacter is a leading cause of enteric disease in most developed countries. The organism is endemic in many poultry populations; 98% of food-borne infections are caused by *C. jejuni* and *C. coli*. In recent years, there have been numerous improvements in animal husbandry and carcass processing that have reduced the prevalence of *Campylobacter* in poultry. However, it is unfeasible that the complete elimination of *Campylobacter* can be brought about in the near future. However, to reduce human infection, it is generally accepted that further reduction in the levels of *Campylobacter* on the fowl is a more feasible goal. In order to bring this about, a shift in industry standards from a presence/absence testing to enumeration needs to occur. *Brilliance* CampyCount Agar makes this transition easy.

ISO 16140 Validation

Brilliance CampyCount Agar has been validated and approved by MicroVal according to ISO 16140: 2003 standard against the reference method ISO/TS 10272-2: 2006 for the selective enumeration of thermotolerant *Campylobacter* spp., in particular *C. jejuni* and *C. coli*, in poultry products. For flexibility, this study included both the O.B.I.S. Campy kit and Oxoid Dryspot Campylobacter test as alternative confirmation methods to those described in the reference method ISO/TS 10272-2: 2006. MicroVal certificate no. MV2008LR12 is available in PDF format from www.microval.org.

Sensitivity was tested using a total of 81 *Campylobacter* strains isolated from poultry and associated environments and specificity was tested using 139 non-target strains.

Media	Specificity (n=139)	Sensitivity (n=81)
mCCDA	91%	100%
Brilliance CampyCount Agar	99%	100%

***Brilliance* CampyCount Agar**		SIZE/FORMAT	ORDER CODE
Brilliance CampyCount Agar (ready-to-use plates) - UK		10x90mm	PO1185A
Brilliance CampyCount Agar (ready-to-use plates) - Rest of Europe		10x90mm	PO5305A

The Oxoid product range offers the complete solution for all your *Campylobacter* testing needs

Broth media			
Bolton Broth Base		500g	CM0983B
Bolton Broth Selective Supplement	(for 500mL medium)	10 vials	SR0183E
Bolton Broth Selective Supplement (modified)	(for 500mL medium)	10 vials	SR0208E
Campylobacter Growth Supplement	(for 500mL medium)	10 vials	SR0232E
Plate media			
Campylobacter Blood-Free Selective Agar Base		500g	CM0739B
Campylobacter Agar Base (Karmali)		500g	CM0935B
Campylobacter Selective Supplement (Karmali)	(for 500mL medium)	10 vials	SR0167E
Karmali Selective Supplement (modified)	(for 500mL medium)	10 vials	SR0205E
CCDA Selective Supplement	(for 500mL medium) (for 2.0 litres medium)	10 vials 10 vials	SR0155E SR0155H
Confirmatory tests			
DrySpot Campylobacter Test Kit		50 tests	DR0150M
O.B.I.S. campy		60 tests	ID0800M
Atmosphere generation			
AnaeroJar™		1 jar	AG0025A
CampyGen™	(for use in 2.5 litre jar) (for use in 3.5 litre jar)	2.5 litre 3.5 litre	CN0025A CN0035A
CampyGen Compact		20 sachets	CN0020C
Campylobacter Gas Generating Kits	(for jars over 3 litres) (for jars under 3 litres)	10 sachets 10 sachets	BR0056A BR0060A
Quality Control organisms – Culti-Loops™			
Campylobacter coli ATCC® 33559™†		5 loops	CL9039
Campylobacter jejuni ATCC® 33291™†		5 loops	CL1400
Escherichia coli ATCC® 25922™†		5 loops	CL7050
Staphylococcus aureus ATCC® 25923™†		5 loops	CL7010
Candida albicans ATCC® 10231™†		5 loops	CL1503

† ATCC Licensed Derivative®

For more information about the Oxoid *Brilliance* range of chromogenic media and other products, please visit www.oxoid.com or talk to your local Oxoid representative.

Limitations Oxoid *Brilliance* CampyCount Agar is for laboratory use only, by experienced microbiologists. It must not be used beyond the stated expiry date, or if the product shows any sign of deterioration. Media should be validated by the end-user, under local conditions. Identifications on *Brilliance* CampyCount Agar are presumptive and should be confirmed. The MicroVal study revealed that, in chicken thighs, *Brilliance* CampyCount Agar gave a lower yield than mCCDA.

OXOID
DEDICATED TO MICROBIOLOGY
remel

Oxoid and **Remel** are specialty microbiology brands of **Thermo Fisher Scientific**. Our products are available worldwide.

www.oxoid.com
Tel: +44 (0) 1256 841144
oxoid.info@thermofisher.com

Part of Thermo Fisher Scientific

Folio No 1306/MS/01/11