BT-SPEC-0453

Distribution: Central File

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OXOID QUALITY ASSURANCE

PRODUCT SPECIFICATION

CAMPYLOBACTER SELECTIVE SUPPLEMENT (BUTZLER) (OXOID) SR0085E

Formula

Per vial (each vial is sufficient to supplement 500ml of medium)

Bacitracin	12,500 IU
Cycloheximide	25.0 mg
Colistin sulphate	5,000 IU
Cephazolin sodium	7.5 mg
Novobiocin	2.5 mg

Description

A freeze-dried selective supplement for the isolation of *Campylobacter*.

Directions

Aseptically add the vial contents to 500ml of a sterile nutrient medium cooled to 50°C, prepared from the following media ;

Base	**Blood**	**Supplement**
CM0331	5-7% defibrinated horse blood (SR0050)	Campylobacter Growth Supplement
or CM0271	or 5-7% defibrinated sheep blood (SR0051)	(SR0232) (can be used if required)

Mix well and pour into sterile Petri dishes.

Physical Characteristics

Off white pellet
Sterility - passes test

Bacteriological Tests Using Optimum Inoculum Dilution

Control Medium **:** Columbia Blood Agar Base enriched with 7% v/v lysed horse blood and Campylobacter Growth Supplement SR0232

Reactions after incubation at 37°C for 48 hours under microaerophilic conditions (for details refer to Oxoid Manual - Atmosphere Generation Systems)

Tested in Columbia Blood Agar Base CM0331 enriched with 5% v/v horse blood

Medium is challenged with 10-100 colony forming units

Campylobacter jejuni	NCTC 11392	ppt-1mm grey/brown colonies
Campylobacter lari	ATCC® 35221	ppt-1mm grey/brown colonies
C*ampylobacter coli*	ATCC® 33559	ppt-1mm grey/brown colonies
Campylobacter fetus	ATCC® 27374	ppt-1mm grey/brown colonies

Candida albicans	ATCC® 10231	0.25-1mm feather-edged, grey colonies

A satisfactory result is represented by recovery of positive strains equal to or greater than 50% of the control medium.

For *Candida albicans* ATCC® 10231, a satisfactory result is represented by recovery equal to or greater than 40% of the control medium.

Medium is challenged with 1E+04 to 1E+06 colony forming units

Escherichia coli	ATCC® 25922	No growth
Staphylococcus aureus	ATCC® 25923	No growth
Proteus mirabilis	ATCC® 12453	No growth

Negative strains are inhibited.