

ThermoFisher SCIENTIFIC	Document Owner Department: QC	BT-SPEC-0795 Page 1 of 2
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
LEGIONELLA GROWTH SUPPLEMENT WITHOUT CYSTEINE (BCYE W/O CYSTEINE) SR0253A		

**LEGIONELLA GROWTH SUPPLEMENT WITHOUT CYSTEINE
(BCYE W/O CYSTEINE)**

SR0253A

Vial contents (each vial is sufficient to supplement 100ml of medium)

α-ketoglutarate	0.05g
Iron (III) pyrophosphate	0.025g

Description

For use with Legionella Agar Base (CM1203) to make Buffered Charcoal Yeast Extract Agar without L-cysteine. Presumptive *Legionella* spp. colonies can be subcultured onto both BCYE Medium with L-cysteine (CM1203 and SR0251), and BCYE Medium without L-cysteine (CM1203 and SR0253). Colonies which have grown on BCYE Medium with L-cysteine, but not on BCYE Medium without L-cysteine, can be regarded as presumptive *Legionella* spp.

Directions

Aseptically add 5ml of warm (<50°C) sterile distilled water to 1 vial and mix gently to dissolve. Aseptically add the vial contents to 95ml of sterile Legionella Agar Base (CM1203) prepared as directed and cooled to 45-50°C. Mix well, ensuring the charcoal is evenly dispersed and pour into sterile Petri dishes.

Physical characteristics

Cream pellet
Sterility – passes test

Microbiological Tests Using Optimal Inoculum Dilution

Control Media: Legionella BCYE Medium or Tryptone Soya Agar, where appropriate

Reactions after incubation at 36 ± 2°C for 3-5 days in a humid atmosphere

Tested in Legionella Agar Base CM1203


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

<i>Legionella pneumophila</i>	ATCC®33152	WDCM00107	No growth/micro-colonies
<i>Legionella pneumophila</i>	ATCC®33156	WDCM00180	No growth/micro-colonies
<i>Legionella anisa</i>	ATCC®35292	WDCM00106	No growth/micro-colonies
<i>Fluoribacter bozeman</i>	ATCC®33217		No growth/micro-colonies
<i>Escherichia coli</i>	ATCC®25922	WDCM00013	2-4mm grey/white colonies

A satisfactory result is represented by no growth/micro-colonies.

For *Escherichia coli* ATCC®25922, a satisfactory result is represented by growth.

Control medium Legionella BCYE Medium must produce growth of *Legionella* spp.

	Document Owner Department: QC	BT-SPEC-0795
		Page 2 of 2
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
LEGIONELLA GROWTH SUPPLEMENT WITHOUT CYSTEINE (BCYE W/O CYSTEINE) SR0253A		

Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire document	New document	N/A	N/A