

	Document Owner Department: QC	BT-SPEC-0475
		Page 1 of 4
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
YERSINIA SELECTIVE SUPPLEMENT SR0109E		

## YERSINIA SELECTIVE SUPPLEMENT

SR0109E

### Formula

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

Cefsulodin	7.5 mg
Irgasan	2.0 mg
Novobiocin	1.25 mg

### Description

A selective supplement for the isolation of *Yersinia* species.

### Directions

Aseptically add 2ml of 1:1 ethanol:sterile distilled water to 1 vial and mix gently to dissolve. Aseptically add the vial contents to 500ml of sterile Yersinia Selective Agar Base (CM0653) prepared as directed and cooled to 50°C. Mix well and pour into sterile Petri dishes.

### Physical Characteristics

Off white or pale yellow pellet  
Sterility - passes test

### Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Tested in Yersinia Selective Agar Base CM0653

### Reactions after incubation at 30 ± 2°C for 21 ± 3 hours

Medium is challenged with 10-100 colony-forming units

<i>Yersinia enterocolitica</i>	ATCC®27729	0.5-2mm transparent, red, bull's-eye colonies
<i>Yersinia enterocolitica</i>	NCTC10460	0.5-2mm transparent, red, bull's-eye colonies
<i>Citrobacter freundii</i>	ATCC®8090	1-3mm pink colonies, with or without opaque zones

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium. For *Citrobacter freundii* ATCC®8090, a satisfactory result is represented by recovery of positive strains equal to or greater than 50% of the control medium.

	Document Owner Department: QC	BT-SPEC-0475
		Page 2 of 4
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
YERSINIA SELECTIVE SUPPLEMENT SR0109E		

Medium is challenged with 1E+04 to 1E+05 colony-forming units

*Proteus mirabilis*                      ATCC®29906                      No growth or 1-2mm straw colonies

*Proteus mirabilis* ATCC®29906 is inhibited or shall produce at least a 1 log(10) reduction when compared to the control medium.

#### Testing performed in accordance with ISO11133:2014

#### Reactions after incubation at 30 ± 2°C for 21 ± 3 hours

Medium is challenged with 50-120 colony-forming units

*Yersinia enterocolitica*                      ATCC®23715    WDCM00160                      0.5-2mm transparent, red, bull's-eye colonies

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

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

<i>Escherichia coli</i>	ATCC®25922	WDCM00013	No growth
<i>Escherichia coli</i>	ATCC®8739	WDCM00012	No growth
<i>Staphylococcus aureus</i>	ATCC®25923	WDCM00034	No growth

Negative strains are inhibited.

#### Tested in accordance with current CLSI M22 A

#### Reactions after incubation at 30 ± 2°C for 21 ± 3 hours

Medium is challenged with 1E+03 to 1E+04 colony-forming units

*Yersinia enterocolitica*                      ATCC®9610                      0.5-2mm transparent, red, bull's-eye colonies

For *Yersinia enterocolitica* ATCC®9610, a satisfactory result is represented by a positive diagnostic reaction.

<b>ThermoFisher</b> S C I E N T I F I C	Document Owner Department: QC	BT-SPEC-0475 Page 3 of 4
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>YERSINIA SELECTIVE SUPPLEMENT SR0109E</b>		

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

<i>Pseudomonas aeruginosa</i>	ATCC®27853	No growth
<i>Enterococcus faecalis</i>	ATCC®29212	No growth
<i>Escherichia coli</i>	ATCC®25922	No growth

Negative strains are inhibited.

	Document Owner Department: QC	BT-SPEC-0475
		Page 4 of 4
OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
YERSINIA SELECTIVE SUPPLEMENT SR0109E		

## Revision History

Section / Step	Description of Change	Reason for Change	Reference
Creation of CLSI section	Update to include testing of CLSI	Change control	BT-CC-1486
Entire document	Update to current format and the correction of typographical/minor errors.	Change control	BT-CC-2384