

OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION
LEGIONELLA SELECTIVE SUPPLEMENT (MWY) SR0255E
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SR0255E

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

Glycine (ammonia free)	0.3g
Polymyxin B sulphate	5,000 IU
Vancomycin hydrochloride	0.1mg
Anisomycin	8.0mg
Bromothymol blue	1.0mg
Bromocresol purple	1.0mg

Description

A freeze-dried selective supplement for the isolation of *Legionella* species from environmental water samples.

Directions

Aseptically add 2ml of sterile distilled water to 1 vial and mix gently to dissolve. Avoid frothing. Aseptically add (by pipette to ensure all the solution is transferred) the vial contents to 100ml of sterile Legionella Agar Base (CM1203) prepared as directed, cooled to 45-50°C, with Legionella Growth Supplement (BCYE) (SR0251) reconstituted as directed. Mix well, ensuring the charcoal is evenly dispersed and pour into sterile Petri dishes.

Physical characteristics

Light blue pellet
 Sterility – passes test

Microbiological Tests Using Optimal Inoculum Dilution

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

Tested in accordance with ISO11731:2017

Tested in Legionella Agar Base CM1203 with the addition of Legionella Growth Supplement (BCYE) SR0251

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

Medium is challenged with 50-120 colony-forming units

Inoculation using surface plate technique

Legionella pneumophila ATCC®33152 WDCM00107 1-5mm grey/white-bluish colonies,
 negative fluorescence

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<i>Legionella anisa</i>	ATCC®35292	WDCM00106	0.25-3mm grey/white-bluish colonies, weak or positive fluorescence
* <i>Fluoribacter bozemanæ</i>	ATCC®33217		1-5mm grey/white-bluish colonies, positive fluorescence
*CLSI M22 A3 quality control requirements			

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

Reactions after incubation at 36 ± 2°C for 4-5 days in a humid atmosphere

Medium is challenged with 50-120 colony-forming units

Inoculation using membrane filtration technique

<i>Legionella pneumophila</i>	ATCC®33156	WDCM00180	0.25-3mm grey/white-bluish colonies, negative fluorescence
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A satisfactory result is represented by recovery of positive strains equal to or greater than 50% of the control medium.

Reactions after incubation at 36 ± 2°C for 3 days

Inoculation using surface plate technique

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

<i>Enterococcus faecalis</i>	ATCC®19433	WDCM00009	No growth
<i>Enterococcus faecalis</i>	ATCC®29212	WDCM00087	No growth or pinpoint–1mm white/grey colonies
<i>Escherichia coli</i>	ATCC®25922	WDCM00013	No growth or 0.25-5mm white/grey colonies
<i>Escherichia coli</i>	ATCC®8739	WDCM00012	No growth or 0.25-5mm white/grey colonies

Medium is challenged with 1E+03 to 1E+05 colony-forming units

<i>Pseudomonas aeruginosa</i>	ATCC®27853	WDCM00025	No growth or 1-2mm straw/grey colonies
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Negative strains are inhibited or shall produce at least a 2 log(10) reduction when compared to the control medium. For *Enterococcus faecalis* ATCC®29212, a satisfactory result is represented by recovery of less than 10 cfu.

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Revision History

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