

Yersinia Supplement

Selective supplement for the isolation of *Yersinia enterocolitica*.

DESCRIPTION

Yersinia Supplement is a selective lyophilized supplement used for the preparation of Yersinia Selective Agar Base (ref. 610111, 620111). The complete medium is used for the isolation of *Yersinia enterocolitica* from clinical and nonclinical specimens.

KIT CONTENTS

Each kit contains:

- 10 vials of freeze-dried Yersinia Supplement
- 1 instruction sheet

PRINCIPLE OF THE METHOD

Yersinia Supplement is an antibiotic mix that inhibits the growth of most Gram-negative enteric bacteria.

COMPOSITION

Antibiotic	Content / vial	Content / liter of medium
Cefsulodin	7.5 mg	15.0 mg
Irgasan	2.0 mg	4.0 mg
Novobiocin	1.25 mg	2.5 mg

PROCEDURE FOR USE

1. Aseptically reconstitute the content of one vial of Yersinia Supplement with 2 ml sterile distilled water and 1 ml ethanol(*).
2. Mix to complete dissolution and add to 500 ml Yersinia Selective Agar Base, autoclaved and cooled to 45-50°C.
3. Mix well and dispense in Petri dishes.

(*) Ethanol 50% purity minimum.

TECHNIQUE AND INTERPRETATION OF THE RESULTS

Refer to the technical documentation of the medium being prepared.

QUALITY CONTROL

1. Control of the appearance: freeze-dried white in colour.
2. Microbiological control.
Prepare the medium per label directions. Inoculate the plates with the strains indicated below and incubate at 30 ± 1°C for 18-24 hours.

Control strains

Yersinia enterocolitica
Escherichia coli
Staphylococcus aureus

WDCM 00038
WDCM 00012
WDCM 00034

Growth

Good
Partially to totally inhibited
Inhibited

PRECAUTIONS

Yersinia Supplement is classifiable as hazardous under current legislation; it is recommended that the Safety Data Sheet be consulted on its use. The product is a selective supplement to be used only for *in vitro* diagnostic use. It is intended for use in a professional environment and must be used in the laboratory by properly trained personnel, using approved asepsis and safety methods for handling pathogenic agents.

STORAGE

2-8°C in its original packaging. Keep away from sources of heat and avoid excessive changes of temperature. Use until the expiry date indicated on the label. Eliminate without using if there are signs of deterioration. Once reconstituted, the product can be stored for a maximum duration of 30 days at -20°C, shielded from light.

REFERENCES

- EN ISO 11133:2014. Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media.
- ISO 10273:2003. Microbiology of food and animal feeding stuffs – Horizontal method for the detection of presumptive pathogenic *Yersinia enterocolitica*.
- Schieman, D.A. (1979) Synthesis of a selective agar medium for *Yersinia enterocolitica*. Can. J. Microbiol. 25:1298-1304.
- Schieman, D.A. (1980) *Yersinia enterocolitica*: Observation on some growth characteristics and response to selective agents. Can. J. Microbiol. 43:14-27.
- Devenish, J.A., and D.A. Schieman (1981) An abbreviated scheme for identification of *Yersinia enterocolitica* isolated from food enrichments on CIN (cefsulodin-irgasan-novobiocin) agar. Can. J. Microbiol. 27:937-941.

PRESENTATION

Product	Ref.	Contents
Yersinia Supplement	81039	10 vials

One vial is sufficient to prepare 500 ml of medium.

TABLE OF SYMBOLS

 IVD In Vitro Diagnostic Medical Device	 Do not reuse	 Manufacturer	 Contains sufficient for <n> tests	 Temperature limitation
 REF Catalogue number	 Fragile, handle with care	 Use by	 Caution, consult accompanying documents	 LOT Batch code



LIOFILCHEM® S.r.l.

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Rev.3 / 18.09.2015

Yersinia Supplement

Supplemento selettivo per l'isolamento di *Yersinia enterocolitica*.

DESCRIZIONE

Yersinia Supplement è un supplemento selettivo liofilizzato utilizzato per la preparazione di Yersinia Selective Agar Base (ref. 610111, 620111). Il terreno completo è utilizzato per l'isolamento di *Yersinia enterocolitica* da campioni clinici e di altro tipo.

CONTENUTO DELLE CONFEZIONI

Ciascuna confezione contiene:

- 10 fiale di Yersinia Supplement liofilizzato
- 1 foglio istruzioni

PRINCIPIO DEL METODO

Yersinia Supplement consiste in una miscela antibiotica che inibisce la crescita della maggior parte dei batteri enterici Gram negativi.

COMPOSIZIONE

Antibiotico	Contenuto / flacone	Contenuto / litro di terreno
Cefsulodina	7.5 mg	15.0 mg
Irgasan	2.0 mg	4.0 mg
Novobiocina	1.25 mg	2.5 mg

PROCEDURA DI UTILIZZO

1. Ricostruire asetticamente il contenuto di una fiala di Yersinia Supplement con 2 ml di acqua distillata sterile ed 1 ml di etanolo(*).
2. Agitare fino a completa dissoluzione ed aggiungere a 500 ml di terreno Yersinia Selective Agar Base, autoclavato e raffreddato a 45-50°C.
3. Mescolare con cura e dispensare in piastre Petri.

(*) Etanolo al 50% minimo di purezza.

TECNICA ED INTERPRETAZIONE DEI RISULTATI

Fare riferimento alla scheda tecnica del terreno in preparazione.

CONTROLLO QUALITÀ

1. Controllo aspetto: liofilizzato di colore bianco.
2. Controllo microbiologico.

Preparare il terreno come descritto in etichetta. Inoculare con i ceppi di seguito indicati ed incubare a $30 \pm 1^\circ\text{C}$ per 18-24 ore.

Ceppi di controllo

Crescita

<i>Yersinia enterocolitica</i>	WDCM 00038	Buona
<i>Escherichia coli</i>	WDCM 00012	Da parzialmente a totalmente inibita
<i>Staphylococcus aureus</i>	WDCM 00034	Inibita

PRECAUZIONI

Yersinia Supplement è classificabile come pericoloso ai sensi della legislazione vigente; per il suo impiego si consiglia di consultare la scheda di sicurezza. Il prodotto è un supplemento selettivo da usare solo per uso diagnostico *in vitro*, è destinato ad un ambito professionale e deve essere usato in laboratorio da operatori adeguatamente addestrati, con metodi approvati di asepsi e di sicurezza nei confronti degli agenti patogeni.

CONSERVAZIONE

Conservare a 2-8°C nella sua confezione originale. Tenere lontano da fonti di calore ed evitare eccessivi cambiamenti di temperatura. Utilizzare entro la data di scadenza indicata in etichetta. Eliminare se vi sono segni di deterioramento. Una volta ricostituito, il prodotto può essere conservato per un massimo di 30 giorni a -20°C, al riparo dalla luce.

BIBLIOGRAFIA

- EN ISO 11133:2014. Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media.
- ISO 10273:2003. Microbiology of food and animal feeding stuffs – Horizontal method for the detection of presumptive pathogenic *Yersinia enterocolitica*.
- Schieman, D.A. (1979) Synthesis of a selective agar medium for *Yersinia enterocolitica*. Can. J. Microbiol. 25:1298-1304.
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PRESENTAZIONE

Prodotto	Ref.	Contenuto
Yersinia Supplement	81039	10 fiale

Una fiala serve per preparare 500 ml di terreno.

TABELLA DEI SIMBOLI

 In Vitro Diagnostic Medical Device	 Do not reuse	 Manufacturer	 Contains sufficient for <n> tests	 Temperature limitation
 Catalogue number	 Fragile, handle with care	 Use by	 Caution, consult accompanying documents	 Batch code



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Rev.3 / 18.09.2015

Yersinia Supplement

Selektivt supplement för isolering av *Yersinia enterocolitica*.

BESKRIVNING

Yersinia Supplement är ett selektivt frystorkat supplement som används vid beredning av Yersinia Selective Agar Base (ref. 610111, 620111). Komplet medium används för isolering av *Yersinia enterocolitica* från kliniska och ickekliniska prover.

KITINNEHÅLL

Varje kit innehåller:

- 10 laskor frystorkat YERSINIA Supplement
- 1 bruksanvisning

METODPRINCIP

Yersinia Supplement består av en antibiotikamix som hämmar tillväxt av de flesta Gram-negativa enterobakterier.

SAMMANSÄTTNING

Antibiotikum	Innehåll / flaska	Innehåll / Liter medium
Cefsulodin	7.5 mg	15.0 mg
Irgasan	2.0 mg	4.0 mg
Novobiocin	1.25 mg	2.5 mg

FÖRFARANDE VID ANVÄNDNING

1. Rekonstituera aseptiskt innehållet i en flaska med Yersinia Supplement med 2 mL sterilt destillerat vatten och 1 mL etanol(*).
2. Blanda till fullständig upplösning och tillsätt till 500 mL Yersinia Selective Agar Base som är autoklaverad och kyld till 45-50°C.
3. Blanda noga och dispensera i petriskålar.

(*) Etanol minst 50% renhet.

TEKNIK OCH TOLKNING AV RESULTATEN

Mer information finns i den tekniska dokumentationen för mediet som bereds.

KVALITETSKONTROLL

1. Visuellt inspektion: frystorkat - vit färg.
2. Mikrobiologisk kontroll.
Bered mediet enligt instruktioner på märkning. Inokulera plattor med stammar enligt nedan och inkubera vid 30 ± 1°C i 18-24 timmar.

Kontrollstammar

	WDCM	Tillväxt
<i>Yersinia enterocolitica</i>	00038	God
<i>Escherichia coli</i>	00012	Delvist till helt hämmad
<i>Staphylococcus aureus</i>	00034	Hämmade

FÖRSIKTIGHETSÅTGÄRDER

Yersinia Supplement klassificeras som farlig enligt gällande lagstiftning. Det rekommenderas att säkerhetsdatablad rådfrågas vid användning. Produkten är ett selektivt supplement som endast skall användas för *in vitro* diagnostik. Det är avsett för användning i en professionell omgivning och måste användas i ett laboratorium av utbildad personal med aseptiska och säkra metoder för hantering av patogena agens.

FÖRVARING

2-8°C i originalförpackning. Förvaras åtskilt från värme och undvik stora temperaturskillnader. Används fram till utgångsdatum som anges på etiketten. Kasseras utan att användas om tecken på försämring. Efter rekonstitution kan produkten förvaras maximalt 30 dagar vid -20°C och skyddade från ljus.

REFERENSER

- IEN ISO 11133:2014. Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media.
- ISO 10273:2003. Microbiology of food and animal feeding stuffs – Horizontal method for the detection of presumptive pathogenic *Yersinia enterocolitica*.
- Schieman, D.A. (1979) Synthesis of a selective agar medium for *Yersinia enterocolitica*. Can. J. Microbiol. 25:1298-1304.
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PRESENTATION

Produkt	Ref.	Innehåll
Yersinia Supplement	81039	10 flaskor

En flaska räcker för tillverkning av 500 mL medium.

SYMBOLER

IVD Endast för <i>In Vitro</i> Diagnostisk användning	 Får ej återanvändas	 Tillverkare	 Innehåller <n> tester	 Temperaturbegränsning
REF Artikelnummer	 Bräckligt, skall hanteras försiktigt	 Använd före	 Försiktighet, läs medföljande dokumentation	LOT Lot Nummer



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