

UPUTSTVO ZA UPOTREBU

(SRB)

Mannitol Salt Agar Plate

Podloga za selektivnu izolaciju patogenih staphylococci.

Sadržaj pakovanja:

Šifra artikla (pakovanja) REF	Opis	Šifra primarnog pakovanja:	Broj podloga
PRM118V20	Podloga izlivena u petri posudama od ø90	PRM118	20
PRM118V60			60
PRM118V240			240
PRM118M40	Podloga izlivena u petri posudama od ø50		40

Uputstva

Pod aseptičnim uslovima inokulisati ploču metodom površinskog zasejavanja. Nakon inkubacije posmatrati rast i boju kolonija.

Princip i interpretacija

Mannitol Salt Agar je pripremljen kao što je predložio Chapman (1) i koristi se za selektivnu izolaciju patogenih stafilocoka. Ova podloga se preporučuje za detekciju i enumeraciju koagulaza-pozitivnih stafilocoka u mleku (2), hrani (3) i drugim uzorcima.

Podloga sadrži goveđi ekstrakt i proteozni pepton koji obezbeđuju esencijalne faktore za rast i hranljive materije u tragovima za rast bakterija. Mnoge druge bakterije, osim stafilocoka, inhibira 7,5% natrijum hlorida. Manitol je fermentabilni izvor ugljenih hidrata. Diferencijalno dejstvo podloge se pripisuje D-manitolu. Staphylococcus aureus fermentiše manitol i proizvodi žuto obojene kolonije sa žutim kupama. Većina koagulaza-negativnih vrsta stafilocoka i mikrokoka ne fermentiraju manitol i stoga podloga ostaje crvene boje. Boja podloge je posledica reakcije fenol crvenog na promenu pH podloge; fenol crveno je crvene boje pri pH vrednosti iznad 8,2 i žute ispod 6,8. Tipične kolonije i pretpostavljeni koagulaza pozitivni stafilocok (Staphylococcus aureus) trebalo bi dalje ispitati na proizvodnju koagulaze.

Kontrola kvaliteta

Podaci i rezultati kontrole kvaliteta dati su u sertifikatu analize za svaku seriju.

Skladištenje i rok upotrebe

Čuvati između 15-25°C. Nakon prvog otvaranja čuvati na 2-8°C. Upotrebiti pre isteka datuma označenog na nalepnici.

Mere predostrožnosti

Ovaj proizvod ne sadrži hazardne supstance u koncentracijama koje su iznad propisanih limita određenih važećim zakonskim regulativama i zato nije klasifikovan kao opasan. Ipak, preporučeno je slediti smernice iz bezbednosnog lista za pravilnu upotrebu. Ovaj proizvod je namenjen isključivo za upotrebu u laboratorijskim uslovima, od strane profesionalno obučene osobe.

Proizvod ne upotrebljavati ukoliko je primarno pakovanje oštećeno ili proizvod ne odgovara navedenim karakteristikama.

Odlaganje otpada

Odlaganje otpada mora biti u skladu sa nacionalnim i lokalnim regulativama koje su na snazi. Svaka laboratorija je odgovorna za rukovanje i odlaganje otpada koji nastaje u toku rada.

Upotrebljeni simboli

CE	Evropski znak usaglašenosti	↑↑	Držati uspravno
IVD	In vitro dijagnostičko	REF	Kataloški broj
	Ne izlagati direktno	LOT	Lot broj
	Konsultovati uputstvo za upotrebu		Rok upotebe
	Ne koristiti više puta		Temperatura čuvanja
	Veličina pakovanja		Proizvođač
EC REP	Ovlašćeni predstavnik u Evropskoj uniji		

EC REP	Salus Cons kft. 6722 Szeged, Bécsi krt 23, HUNGARY e-mail: office@saluscons.com
--------	--

Literatura

- Chapman G.H., 1945, J. Bact., 50:201.
- Marshall R. (Ed.), 1992, Standard Methods for the Examination of Dairy Products, 16th ed., APHA, Washington, D.C.
- Bacteriological Analytical Manual, 1995, Food and Drug Administration, 8th ed., AOAC, International, U.S.A.

Broj rešenja o registraciji: 515-02-02534-22-003

INSTRUCTION FOR USE

(EN)

Mannitol Salt Agar Plate

Medium is used as a selective media for the isolation of pathogenic Staphylococci.

Package contents:

Item code (packaging) REF	Description	Primary packaging code:	Number of products
PRM118V20	Substrate poured into petri dishes of ø90	PRM118	20
PRM118V60			60
PRM118V240			240
PRM118M40	Substrate poured into petri dishes of ø50		40

Directions

Surface spread the test inoculum aseptically on the plate. After incubation, observe growth and color of colonies.

Principle and interpretation

Mannitol Salt Agar was prepared in a manner that was suggested by Chapman (1) and used for selective isolation of pathogenic Staphylococci. This medium is recommended for detection and enumeration of coagulase-positive Staphylococci in milk (2), food (3) and other specimens. The substrate contains a bovine extract and protease peptone that provides essential growth factors and nutritional ingredients in trace for growth of bacteria. Many other bacteria, apart from Staphylococci, are inhibited by 7,5% sodium chloride. Mannitol is a source of fermented carbohydrates. The differential effect of the medium is attributed to D-Mannitol. Staphylococcus aureus fermented mannitol and produces a yellow colony with a cone. Most coagulase-negative strains of Staphylococci and micrococci do not ferment mannitol, and therefore the medium remains red. The color of the medium is a consequence of the reaction of red phenol on the changes of pH value medium; red phenol is red color at pH value above 8,2 and yellow below 6,8. Typical colonies of presumed coagulase positive staphylococci (Staphylococcus aureus) should be further investigated for the production of coagulase.

Quality control

The data and results of quality control are given in the certificate of analysis for each lot.

Storage and shelf life

Storage between 15-25°C. After opening storage between 2-8°C. Use before expiry date on the label.

Warning and precautions

In vitro diagnostic use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

Symbols used on labels

CE	European Conformity mark	↑↑	This side up
IVD	is an in vitro diagnostic medical device (IVD)	REF	Catalogue number
☀	Do not expose directly to sunlight	LOT	Batch code
📖	Consult instructions for use	🕒	Use-by date
🚫	Do not re-use	🌡	Temperature limit
Σ	Pack size	🏭	Manufacturer
EC REP	European Authorized Representative (Authorised Representative)		

EC REP	Salus Cons kft. 6722 Szeged, Bécsi krt 23, HUNGARY e-mail: office@saluscons.com
--------	--

Reference

1. Chapman G.H., 1945, J. Bact., 50:201.
2. Marshall R. (Ed.), 1992, Standard Methods for the Examination of Dairy Products, 16th ed., APHA, Washington, D.C.
3. Bacteriological Analytical Manual, 1995, Food and Drug Administration, 8th ed., AOAC, International, U.S.A.