

UPUTSTVO ZA UPOTREBU (SRB)

Thayer Martin Agar Plate w/VCNT

Podloga za selektivnu izolaciju gonococci iz patoloških uzoraka.

Sadržaj pakovanja:

Šifra artikla (pakovanja) REF	Opis	Šifra primarnog pakovanja:	Broj podloga
PRM413V20	Podloga izlivena u petri posudama od ø90	PRM413	20
PRM413V60			60
PRM413V240			240
PRM413M40	Podloga izlivena u petri posudama od ø50		40

Uputstva

Pod aseptičnim uslovima inokulisati ploču metodom površinskog zasejavanja.

Princip i interpretacija

Carpenter i Morton su poboljšali podlogu za izolaciju gonokoka za 24 sata (1). Kasnije je efikasnost GC podloge dopunjena hemoglobinom i koncentratom kvasca i dokazana za izolovanje gonokoka (2). Posle toga Thayer i Martin su razvili podlogu za primarnu izolaciju Neisseria gonorrhoeae i Neisseria meningitidis iz uzoraka koji sadrže mešovitu mikrobiotu uzorkovanu iz grla, vagine, rektuma i uretre (3,4). Thayer i Martin (4) su upotreбили vankomicin, kolistin i nistatin. Martin i Lester (5) su koristili dodatni antibiotik trimethoprim da bi podlogu učinili selektivnom. Specijalni pepton obezbeđuje hranljive materije potrebne organizmima, dok skrob neutrališe toksične masne kiseline ukoliko su prisutne u agaru. Hemoglobin obezbeđuje X faktor, dok je V factor (NAD) obezbeđen dodatkom suplementa. Podloga takođe sadrži vitamine, aminokiseline, koenzime itd. koji pospešuju rast patogenih Nesseria spp. Vankomicin i kolistin inhibiraju Gram-pozitivne i Gram-negativne bakterije (6). Nistatin inhibira gljivice. Ova podloga može inhibirati i Haemophilus spp. Neki sojevi Capnocytophaga vrsta mogu rasti na ovoj podlozi kada se inokuliraju sa uzorcima orofarinksa.

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

	Evropski znak usaglašenosti		Držati uspravno
	In vitro dijagnostičko medicinsko sredstvo		Kataloški broj
	Ne izlagati direktno sunčevim zracima		Lot broj
	Konsultovati uputstvo za upotrebu		Rok upotebe
	Ne koristiti više puta		Temperatura čuvanja
	Veličina pakovanja		Proizvođač
	Ovlašćeni predstavnik u Evropskoj uniji		

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Literatura

1. Carpenter and Morton, 1947, Proc. N.Y. State Assoc. Public Hlth. Labs., 27:58.
2. Carpenter et al, 1949, Am. J. Syphil. Gonorrh. Vener. Dis., 33:164.
3. Martin, Billings, Hackney and Thayer, 1967, Public Hlth. Rep., 82:361.
4. Thayer J. and Martin J.E. Jr., 1966, Public Health Rep., 81:559.
5. Martin J.E. Jr. and Lester A., 1971, HSMHA Hlth. Service Rep., 86(1):30.
6. MacFaddin J., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. I, Williams and Wilkins, Baltimore.

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

INSTRUCTION FOR USE (EN)

Thayer Martin Agar Plate w/VCNT

Medium is used for selective isolation of Gonococci from pathological specimens.

Package contents:

Item code (packaging) REF	Description	Primary packaging code:	Number of products
PRM413V20	Substrate poured into petri dishes of ø90	PRM413	20
PRM413V60			60
PRM413V240			240
PRM413M40	Substrate poured into petri dishes of ø50		40

Directions

Surface spread the test inoculum aseptically on the plate.

Principle and interpretation

Carpenter and Morton reported an improved medium to isolate Gonococci in 24 hours (1). Later on the efficiency of GC medium supplemented with haemoglobin and yeast concentrate was demonstrated for isolating gonococci (2). Subsequently Thayer and Martin Medium was developed for the primary isolation of *Neisseria gonorrhoeae* and *Neisseria meningitidis* from specimens containing mixed flora collected from throat, vagina, rectum and urethra (3, 4). Thayer and Martin (4) used Vancomycin, Colistin and Nystatin. Martin and Lester (5) used an additional antibiotic Trimethoprim to make the medium selective. Special peptone provides nutrients to the organisms while starch neutralizes the toxic fatty acids if present in the agar. Haemoglobin provides the X factor whereas the V factor (NAD) is provided by the added supplement. Medium also supplies vitamins, amino acids, coenzymes etc. which enhances the growth of pathogenic *Neisseria* spp. Vancomycin and colistin inhibits Gram-positive and Gram-negative bacteria respectively (6). Nystatin inhibits fungi. This medium may inhibit *Haemophilus* species. Some strains of *Capnocytophaga* species may grow on this medium when inoculated with oropharyngeal specimens.

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 2-8°C. Use before expiry date on the label.













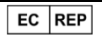
Warning and precautions

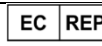
In vitro diagnostic use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed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

	European Conformity mark		This side up
	is an in vitro diagnostic medical device (IVD)		Catalogue number
	Do not expose directly to sunlight		Batch code
	Consult instructions for use		Use-by date
	Do not re-use		Temperature limit
	Pack size		Manufacturer
	European Authorized Representative (Authorised Representative)		

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Reference

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