PROREADY
Ready To Use Culture Media

CE IVD

UPUTSTVO ZA UPOTREBU (SRB)

Campylobacter Agar Plate

Podloga za selektivnu izolaciju *Campylobacter* vrsta iz uzoraka fecesa, hrane i drugih uzoraka.

Sadržaj pakovanja:

Šifra artikla (pakovanja) REF	Opis	Šifra primarnog pakovanja:	Broj podloga
PRM994V20	Podloga izlivena u petri posudama od ø90	**PRM994**	**20**
PRM994V60			**60**
PRM994V240			**240**
PRM994M40	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

Campylobacter vrste su sve prisutnije u različitim ekološkim sredinama i jedan su od najčešćih uzročnika humanih bakterijskih gastroenteritisa (7). Većina vrsta je pronađena kod životinja (goveda i svinja) i uzrok su neplodnosti i abortusa (1). *C. jejuni* je prvobitno bio izolovan na krvnoj podlozi sa antibioticima (2). Skirrow je opisao selektivnu podlogu za *Campylobacter* vrste koja se sastoji od osnovnog krvnog agara br. 2, obogaćenog konjskom krvi i antibioticima (3). Kasnije, Blaser i sar. su izolovali *C. jejuni* na Brucella Agaru obogaćenom ovčijom krvlju i sa četiri antibiotika (4). Zatim je i peti antibiotik Cefalotin dodat za poboljšanje selektivnosti podloge u cilju inhibicije pratećih fekalnih bakterija (5). Campylobacter Agar je preporučen od APHA za selektivnu izolaciju *Campylobacter* vrsta (6).

Campylobacter Agar sa suplementima podržava bogat rasta *Campylobacter* vrsta. Osmotska ravnoteža se održava Natrijum hloridom. Krv služi kao dodatni izvor hranljivih materija uključujući i X-faktor. Antibiotski suplementi značajno smanjuju rast uobičajeno prisutnih enterobakterija, a istovremeno poboljšavaju rast i oporavak *C. jejuni* iz uzoraka fecesa. Amfotericin B u velikoj meri ili u potpunosti inhibira rast gljivica. *C. jejuni* kolonije se javljaju kao nehemolitičke, ravne i sive, sa nepravilnim ivicama ili ispupčene i okrugle sa mukoidnim izgledom. Neki sojevi mogu dati kolonije svetlo ružičaste boje ili boje preplanule kože. Rojenje se može uočiti na vlažnim površinama. Inkubacija na 35-37°C može odložiti rast kultura *C. jejuni*, a inkubacija na 42°C ga može ubrzati.

Kontrola kvaliteta

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

Skladištenje i rok upotrebe

Čuvati između 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 medicinsko sredstvo	REF	Kataloški broj
	Ne izlagati direktno sunčevim zracima	LOT	Lot broj
	Konsultovati uputstvo za upotrebu		Rok upotebe
	Ne koristiti više puta		Temperatura čuvanja
Σ	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

1. Koneman E. W, Allen S. D., Janda W. M, Schreckenberger P. C., Winn W. C. Jr, 1992, Colour Atlas and Textbook of Clinical Microbiology, 4th Edition, J. B. Lippincott Company.
2. Dekeyser P., Hossuin-Detrain M, Butzler J. P. Sterron J., 1972, J. In fect. Dis., 125: 390.
3. Skirrow M. D., 1977, Br. Med. J. 2:9.
4. Blaser M. J., Cravens B. W., Powers and Wang W. L., 1978, Lanect (ii):979.
5. Wilson and Wang, 1979, Information flier, Campylobacter Laboratory, Veterans Administration Hospital, Denver. Co.
6. Vanderzant C., and Splittstoesser D. F., (Eds.), 1992, Compendium of Methods for the Microbiological Examination of foods, 3rd Ed., APHA, Washington, D.C.
7. Manning H., Duim B., Wassenaar T., Wagenaar A., Ridley A., Newell D.G., 2001, Appl. Environ. Microbiol., 67:1185

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

PROREADY
Ready To Use Culture Media

CE IVD

INSTRUCTION FOR USE (EN)

Campylobacter Agar Plate

Medium is recommended for the selective isolation of *Campylobacter* species from faecal, food and other specimens.

Package contents:

Item code (packaging) REF	Description	Primary packaging code:	Number of products
PRM994V20	Substrate poured into petri dishes of ø90	**PRM994**	**20**
PRM994V60			**60**
PRM994V240			**240**
PRM994M40	Substrate poured into petri dishes of ø50		**40**

Directions

Surface spread the test inoculum aseptically on the plate and incubate under optimal conditions.

Principle and interpretation

Campylobacter species are ubiquitous in the environment and one of the most common causes of human bacterial gastroenteritis (7). Most species are found in animals (cattle, swine) and cause infertility and abortion (1). *C. jejuni* was originally isolated on a blood-containing media with antibiotics (2). Skirrow described a selective medium for *Campylobacter* species consisting of Blood Agar Base No. 2 supplemented with horse blood and antibiotics (3). Subsequently, Blaser et al isolated *C. jejuni* on Brucella Agar supplemented with sheep blood and four antibiotics (4). Later on, a fifth antibiotic, cephalothin was added to improve the selectivity of the medium by inhibition of accompanying faecal bacteria (5). Campylobacter Agar is recommended by APHA for selective isolation of *Campylobacter* species (6).
Campylobacter Agar Base with supplements supports luxuriant growth of *Campylobacter* species. Osmotic equilibrium
of the medium is maintained by sodium chloride. Blood serves as an additional source of nutrients including X-factor. The
antibiotic supplements markedly reduce the growth of normal enteric bacteria, while enhancing the growth and recovery of *C. jejuni* from faecal specimens. Amphotericin B greatly or completely inhibits growth of fungi. *C jejuni* colonies appear non-haemolytic, flat and gray with an irregular edge or raised and round with a mucoid appearance. Some strains may appear slightly pink or tan. Swarming may be observed on moist surfaces. Incubation at 35-37°C may show a delayed growth of *C. jejuni* cultures. Incubating the plates at 42°C can fasten this.

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

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. Koneman E. W, Allen S. D., Janda W. M, Schreckenberger P. C., Winn W. C. Jr, 1992, Colour Atlas and Textbook of Clinical Microbiology, 4th Edition, J. B. Lippincott Company.
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