Technical Data Sheet

CSB Selective Supplement (Vancomycin)

Ordering number: 1.20595.0010

CSB Selective Supplement contains vancomycin hydrochloride in lyophilized form.

CSB Selective Supplement is in accordance to EN ISO 22964:2017

Mode of Action

It suppresses the growth of accompanying flora of gram-positive bacteria during culturing *Cronobacter* spp. in CSB (Cronobacter Selective Broth).

Typical Composition

Substance	mg per vial	Final concentration per liter
Vancomycin hydrochloride	5,0	10 mg

Preparation

Dissolve 14.02 g GranuCult™ CSB in 500 ml of purified water. Distribute 10 ml portions into tubes. Autoclave (15 minutes at 121°C).

Dissolve the contents of one vial CSB selective supplement, Cat. No. 120595, in 1 ml of sterile purified water. Add to each tube base broth 0.02 ml (20 µl) of solved CSB selective supplement after it has cooled to below 50°C.

The final concentration is 10 mg vancomycin per liter of CSB.

Experimental Procedure and Evaluation

Depend on the purpose for which the medium is used.

Following the procedure given by EN ISO 22964, after incubation of the inoculated pre-enrichment medium (Buffered peptone water), mix well and transfer 0,1 ml of the obtained culture into 10 ml CSB and mix well.

Incubate the inoculated tubes under aerobic conditions, e.g. acc. to EN ISO 22964 at 40,5-42,5 °C for 22-26 h.

From the culture obtained in the selective enrichment, inoculate the surface of Chromocult® CCI (Chromogenic Cronobacter Isolation) agar, see details given by EN ISO 22964.

Storage

Usable up to the expiry date when stored dry and tightly closed at +2 °C to +8 °C.

Quality Control

CSB Selective Supplement (Vancomycin) is tested in GranuCult™ CSB (Cronobacter Selective Broth) base acc. ISO 22964 (article number 1.20597.0500) in accordance with the current version of EN ISO 11133 and EN ISO 22964.

Function	Control strains	Incubation	Method of control	Criteria	Expected results
Productivity	*Cronobacter sakazakii* ATCC® 29544 [WDCM 00214] + *Staphylococcus aureus* ATCC® 6538 [WDCM 00032]	22-26 h at 40,5-42,5 °C	Qualitative	>10 colonies on CCI agar	Yellow color of CSB; small to medium sized (1-3 mm), blue to blue-green colonies on CCI agar
	Cronobacter muytjensii ATCC® 51329 [WDCM 00213] + *Staphylococcus aureus* ATCC® 25923 [WDCM 00034]				
Selectivity	*Staphylococcus aureus* ATCC® 6538 [WDCM 00032]	22-26 h at 40,5-42,5 °C	Qualitative	Total or partial inhibition, ≤ 100 colonies on Tryptic Soy Agar (TSA)	Purple color of CSB
	Staphylococcus aureus ATCC® 25923 [WDCM 00034]				

Please refer to the actual batch related Certificate of Analysis.

Literature

ISO International Standardisation Organisation. Microbiology of the food chain - Horizontal method for the detection of *Cronobacter* spp. EN ISO 22964:2017.

ISO International Standardisation Organisation. Microbiology of food, animal feed and water - Preparation, production, storage and performance testing of culture media. EN ISO 11133:2014.

Ordering Information

Product	Cat. No.	Pack size	Other pack sizes available
CSB Selective Supplement (Vancomycin)	1.20595.0010	10 x 1 vial (5 mg each)	
GranuCult™ CSB (Cronobacter Selective Broth) base acc. ISO 22964	1.20597.0500	500 g	
GranuCult™ Buffered Peptone Water acc. ISO 6579, ISO 21528, ISO 22964, FDA-BAM and EP	1.07228.0500	500 g	5 kg, 25 kg
ReadyTube 9 BPW ISO	1.46142.0020	20 x 9 ml	
ReadyTube 1000 BPW ISO	1.46403.0006	6 x 100 ml	
Chromocult® CCI (Chromogenic Cronobacter Isolation) agar acc. ISO 22964	1.20596.0500	500 g	
GranuCult™ Tryptic Soy Agar EP, USP, JP, ISO and FDA-BAM	1.05458.0500	500 g	5 kg
MR-VP (Methyl Red-VOGES-PROSKAUER) Broth	1.05712.0500	500 g	
Phenol-red broth (base)	1.10987.0500	500 g	
Bactident® Oxidase	1.13300.0001	50 strips	

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