SNAPSHOOT
ENGINEERED FOR A SAFER TOMORROW

현장을 이해하고, 필요한 솔루션을 연결합니다.

산업안전 · 추락방지 시스템
산업용 소재 · 건축자재
제품 제안부터 공급·시공·설치·교육까지



COMPANY INFORMATION

스냅슛 (SNAPSHOOT)

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TECHNICAL DOCUMENTS

인증서 · 데이터시트 · 기술자료

제품의 규격과 성능, 인증 및 적용 조건을 확인하기 위한 자료입니다.

ABOUT SNAPSHOOT

제품 공급을 넘어, 현장에 맞는 해결책으로

스냅슛은 산업현장의 작업 환경과 요구 조건을 바탕으로
적합한 제품과 시스템을 제안합니다. 현장 실사를 통해 설치 조건을 확인하고,
공급부터 시공·설치 및 사용 교육까지 필요한 과정을 함께합니다.

추락방지 시스템

안전대부착설비 · 수평·수직 라이프라인
레일 시스템 · 리지드 포스트

밀폐공간 진입·구조 솔루션

데빗암 · 삼각대 · 구조용 윈치
윈치 안전블록 · 구조장비

산업안전 보호구

전신형 안전대 · 랜야드 · 안전블록
작업 환경에 맞춘 개인보호구

산업용 소재·건축자재

산업용 테이프 · 접착제 · 기능성 소재
구조용 스크류 · 목조건축 자재

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홈페이지 바로가기 →
문서 라이브러리 바로가기 →
시공사례 바로가기 →
문의하기 →

본 페이지는 스냅슛의 자료 제공 안내용 표지입니다. 첨부된 인증서 및 기술자료의 발행 주체, 인증 대상과 적용 범위는 해당 원문을 기준으로 확인해 주세요.

Buffered Peptone Water HQ (ISO) (NCM0270)

NCM0270	500G, 5KG, 10KG & 25KG DCM Packs
NCM3207	Ready-to-Reconstitute Media Bags
NCM3402	3L Liquid Bag*

*Shipping restrictions may apply, enquire for regional availability

Revision: 2 Effective Date: 12/22/2020

Intended Use

Buffered Peptone Water HQ (ISO) is a non-selective pre-enrichment medium for the isolation of *Salmonella* spp. in food, animal feed and in environmental samples from the food production area as described in ISO 6579-1:2017. It can be used with Salmonella Selective Supplement (NCM4000) as part of the OBOP-S alternative workflow to ISO 6579-1:2017 and is not intended for use in the diagnosis of disease or other conditions in humans.

Description

This pre-enrichment medium is designed to aid resuscitation of sub-lethally damaged *Salmonella* before introduction into a selective medium. Sublethal injury to *Salmonella* occurs in many food processes and this pre-enrichment step greatly increases recovery of these organisms.

Buffered Peptone Water HQ (ISO) can be used in conjunction with Salmonella Selective Supplement (NCM4000) as part of the OBOP-S alternative workflow to ISO 6579-1:2017. Salmonella Selective Supplement is provided separately to enable other analysis (i.e. enumeration tests) prior to selective enrichment for *Salmonella* spp.

Buffered Peptone Water HQ (ISO) follows the ISO formulation. Peptone provides a source of carbon, amino acids, vitamins and minerals. Sodium chloride maintains the osmotic balance and the phosphate components buffer the media to achieve pH 7.0.

Typical Formulation

Peptone	10.0 g/L
Sodium Chloride	5.0 g/L
Disodium Hydrogen Phosphate (anhydrous)	3.6 g/L
Potassium Dihydrogen Phosphate	1.5 g/L

Final pH: 7.0 ± 0.2 at 25°C

Formula may be adjusted and/or supplemented as required to meet performance specifications.

Supplement (required for the OBOP-S alternative workflow)

NCM4000 - Salmonella Selective Supplement

Precaution

Refer to SDS

Dehydrated Culture Medium Preparation

1. Dissolve 20.1 g of the medium in one liter of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.
4. If used for selective enrichment as part of the alternative workflow, add 1 mL of reconstituted Salmonella Selective Supplement (NCM4000) to 225 mL of prepared base.

Ready-to-Reconstitute Media Bag Preparation

Please refer to the Instructions for Use for the range.

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Test Procedure

- For detection of *Salmonella* spp. using the One Broth One Plate Salmonella method – Refer to the Technical Product Information Sheet
- For detection of *Salmonella* spp. (Water Quality) - Refer to ISO 19250:2010
- For detection and enumeration of Enterobacteriaceae - Refer to ISO 21528-1:2017
- For detection and enumeration and Serotyping of Salmonella - Refer to ISO 6579-1:2017
- For detection *Cronobacter* spp. - Refer to ISO 22964:2017
- For detection of STEC - Refer to ISO/TS 13136:2012

Quality Control Specifications

Dehydrated Appearance: Powder is homogeneous, free flowing and beige.

Prepared Appearance: Prepared medium is clear with no precipitate and amber.

Expected Cultural Response: Cultural response in Buffered Peptone Water HQ (ISO), incubated aerobically at 37 ± 1°C and examined for growth after 16 - 20 hours incubation. With Salmonella Selective Supplement, cultures are incubated aerobically at 41.5 ± 1°C for 18 ± 2 hrs followed by subculture onto CASE (NCM1006 or NCM3008), incubated aerobically at 37 ± 1°C and examined for growth at 24 ± 3 hrs.

MICROORGANISM	ATCC	APPROX. INOCULUM (CFU)	EXPECTED RESULTS
Pre-enrichment for *Salmonella* and *Enterobacteriaceae* detection			
Escherichia coli	25922	10-100	Growth
Escherichia coli	8739	10-100	Growth
Salmonella Enteritidis	13076	10-100	Growth
Salmonella Typhimurium	14028	10-100	Growth
Cronobacter sakazakii	29544	10-100	Growth
Cronobacter muytjensii	51329	10-100	Growth
Diluent for enumeration of microorganisms and *L. monocytogenes*			
Escherichia coli	25922	$>10^4$	T_1 plate counts w/in ± 30% of counts for T_0
Escherichia coli	8739	$>10^4$	T_1 plate counts w/in ± 30% of counts for T_0
Staphylococcus aureus	25923	$>10^4$	T_1 plate counts w/in ± 30% of counts for T_0
Listeria monocytogenes	13932	$>10^4$	T_1 plate counts w/in ± 30% of counts for T_0
Listeria monocytogenes	35125	$>10^4$	T_1 plate counts w/in ± 30% of counts for T_0
Enrichment with Salmonella Selective Supplement			
Salmonella Typhimurium	14028	<100	Good Growth on CASE
Salmonella Enteritidis	13076	<100	Good Growth on CASE

The organisms listed are the minimum that should be used for quality control testing.

Results

Growth is indicated by turbidity.

Expiration

Refer to expiration date stamped on the container. The dehydrated medium should be discarded if not free flowing, or if the appearance has changed from the original color. Expiry applies to medium in its intact container when stored as directed.

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Limitation of the Procedure

Due to nutritional variation, some strains may be encountered that grow poorly or fail to grow on this medium.

Storage

Store dehydrated culture media (NCM0270) at 2-30°C away from direct sunlight. Once opened and recapped, place container in a low humidity environment at the same storage temperature. Protect from moisture and light by keeping container tightly closed.
Store ready-to-reconstitute media bags as supplied (NCM3207) at 10-25°C away from direct sunlight. Once reconstituted store at 10-25°C away from direct sunlight for up to 5 days (providing asepsis is maintained).
Store ready to use 3L liquid bags (NCM3402) at 2-25°C away from direct sunlight (please handle with care, do not drop from a height).

References

1. ISO 19250:2010 Water quality -- Detection of *Salmonella* spp.
2. ISO 21528-1:2017 Microbiology of the food chain -- Horizontal method for the detection and enumeration of Enterobacteriaceae -- Part 1: Detection of Enterobacteriaceae
3. ISO 6579-1:2017 Microbiology of the food chain – Horizontal method for the detection, enumeration and serotyping of Salmonella
4. ISO 22964:2017 Microbiology of the food chain -- Horizontal method for the detection of *Cronobacter* spp.
5. ISO/TS 13136:2012 Microbiology of food and animal feed — Real-time polymerase chain reaction (PCR)-based method for the detection of food-borne pathogens — Horizontal method for the detection of Shiga toxin-producing Escherichia coli (STEC) and the determination of O157, O111, O26, O103 and O145 serogroups

Revision: 2 Effective Date: 12/22/2020