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.

Record ID: FS-TSS-0161 Revision Number: 2.0 Effective Date: 2024-01-22 12:00 AM EST

Slanetz and Bartley Medium (Membrane Enterococcus Agar)
SKU: 700004626, 700004627, 700004628, 700004629
(NCM0197)

Intended Use
Slanetz and Bartley Medium is used for the enumeration of enterococci from water samples as described in ISO 7899-2, and is not intended for use in the diagnosis of disease or other conditions in humans.

Description
This medium was originally described by Slanetz and Bartley for the enumeration of enterococci from water samples using a membrane filtration technique, but it may also be used as a spread plate for the examination of other sample types. Enterococci reduce tetrazolium chloride to the insoluble red dye formazan, producing colonies which are dark red or maroon on the surface of the membrane or agar. This reaction is not exclusive to enterococci, and the count at this stage should be considered presumptive. Colonies may be confirmed as enterococci by demonstrating aesculin hydrolysis using Kanamycin Aesculin Azide Agar (NCM0198).

Typical Formulation

Tryptose	20.0 g/L
Yeast Extract	5.0 g/L
Glucose	2.0 g/L
Dipotassium Hydrogen Phosphate	4.0 g/L
Sodium Azide	0.4 g/L
2,3,5 Tetrazolium Chloride	0.1 g/L
Agar	12.0 g/L

Final pH: 7.2 ± 0.2 at 25°C
Formula may be adjusted and/or supplemented as required to meet performance specifications.

Precaution
Refer to SDS

Preparation
1. Suspend 43.5 grams of the medium in one liter of purified water.
2. Heat with frequent agitation and bring to the boil to completely dissolve the medium.
3. Cool to 45-50 °C.
4. DO NOT AUTOCLAVE, PREHEAT OR LEAVE FOR GREATER THAN 2 hours at 45-50 °C.

Test Procedure
Water: Filter 100ml of the water through a suitable membrane, and place this on the surface of a properly dried Slanetz and Bartley plate.
Other samples: Dilute as necessary and spread 0.5ml over the surface of the plate using a spreader, and allow to soak into the agar.
Water: at 37°C for 48hr if testing potable waters or processed foods. At 37°C for 4hr then 44°C for 44hr if testing untreated waters or raw materials.

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

Prepared Appearance: Prepared medium is a rose-colored gel.

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Minimum QC:
Enterococcus faecalis WDCM 00009
Enterococcus faecium WDCM 00177
Escherichia coli WDCM 00013 (inhibition)
Staphylococcus aureus WDCM 00032 (inhibition)

Results
Count all red and maroon colonies as presumptive enterococci. Confirmation of isolates can be achieved by demonstration of a positive aesculin reaction on KAAA (NCM0198).

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

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

Storage
Store dehydrated culture media 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.

References
1. Slanetz, L.W., and Bartley, C.H. (1957) J.Bact. 74 591-595.
2. Environment Agency: The Microbiology of Drinking Water (2012) - Part 5 –Methods for the Isolation and enumeration of enterococci.

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