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.

Harlequin® E. coli/Coliform Agar (NCM1002)

Intended Use
E. coli / Coliform Agar is for the simultaneous enumeration of *Escherichia coli* and coliforms in food and environmental samples and is not intended for use in the diagnosis of disease or other conditions in humans.

Description
This dual chromogenic substrate medium makes the different colony types easy to distinguish allowing rapid counting of both *E. coli* and coliforms on a single agar.

Based upon the formulation of Tryptone Bile Agar, the medium has been modified by the addition of two chromogenic substrates, one to detect the ß-glucuronidase enzyme (X-glucuronide) and another to detect the ß-galactosidase enzyme (magenta-ß-gal). Typical *E. coli* strains possess both enzymes but only cleave the X-glucuronide substrate, thereby producing blue-green colonies. Typical coliforms, however, possess only the ß-galactosidase enzyme and produce rose-pink colonies.

The colony types are easily distinguishable, even in the presence of other organisms, or when large numbers are observed, making simultaneous enumeration of *E. coli* and coliforms a quick and simple procedure.

Typical Formulation

Tryptone	20.0 g/L
Bile Salt No.3	1.5 g/L
X-glucuronide	0.075 g/L
Magenta-β-Galactoside	0.1 g/L
Agar	15.0 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 36.6 grams of the medium in one liter of purified water.
2. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
3. Autoclave for 15 minutes at 121°C.
4. Cool to 45-50°C.

Test Procedure
- Inoculate 0.5 ml of a 1:10 dilution of the sample and spread over the entire surface of the plate. Further dilution may be necessary if large numbers of *E. coli* and/or coliforms are present, to ensure colonies can be easily counted.
- Incubate at 37°C for 18-24 hours.

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

Prepared Appearance: Prepared medium is clear and yellow.

Effective Date: 6/2/2020
Revision: 1

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Minimum QC:
Escherichia coli ATCC 25922
Enterobacter aerogenes ATCC 13048
Staphylococcus aureus ATCC 25923 (inhibited)

Results
Count all dark blue to violet colonies as presumptive *E. coli*, and calculate the cfu/g. Count all rose-pink colonies as presumptive coliforms, and calculate cfu/g.

Organism	Colony Size (mm)	Color
Escherichia coli	0.1 – 2.0	Dark blue to violet
Enterobacter aerogenes	1.5 – 2.5	Rose-pink
Pseudomonas aeruginosa	0.5 – 1.0	Beige
Enterococcus faecalis	No growth	
Staphylococcus aureus	No growth	

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. Baylis, C.L., Patrick, M. (1999). *Comparison of a range of Chromogenic media for enumeration of total Coliforms and Escherichia coli in foods*. Leatherhead International Technical Notes No.135: 99.

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