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® UTI Chromogenic Agar (NCM1013)

Intended Use
Urinary Tract Infection (UTI) Chromogenic Agar is a chromogenic medium for the presumptive identification and confirmation of microorganisms causing urinary tract infections.

Description

UTI Chromogenic Agar contains a peptone mixture to provide nitrogen, vitamins, minerals and amino acids essential for growth. The medium includes two chromogenic substrates which are hydrolyzed by enzymes produced by *Enterococcus* spp, *Escherichia coli* and coliforms. It also includes phenylalanine and tryptophan providing a presumptive indication of the tryptophan deaminase activity, indicating the presence of Proteus spp., *Morganella* spp, and *Providencia* spp. (brown colonies).

One chromogen is metabolized by β-glucosidase enzyme activity, allowing the specific detection of enterococci which form blue or turquoise colonies. The other chromogen is hydrolyzed by β-galactosidase, an enzyme produced by *E. coli* which grows as pink colonies (in case of unreliable colony results, carry out Indol test). When bacteria utilize both chromogenic substrates, this results in dark blue - purple colonies, characteristic of coliform bacteria such as *E. aerogenes*, *K.pneumoniae* and *C. freundii*.

Typical Formulation

Peptone Mixture	16.0 g/L
Growth Factors	13.0 g/L
Tryptophan	2.0 g/L
Chromogenic Substrate	0.50 g/L
Agar	16.0 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
1. Refer to SDS

Preparation
1. Suspend 47.5 grams of the medium in one liter of distilled water.
2. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
3. Autoclave at 121ºC for 15 minutes.
4. Cool to 45-50ºC.

Test Procedure
Consult appropriate references for the isolation and identification of anaerobic bacteria.

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

Prepared Appearance: Prepared medium is amber in color and slightly opalescent.

Minimum QC:

Escherichia coli ATCC 25922	Good growth	Pink colonies
Enterobacter aerogenes ATCC 13048	Good growth	Dark Blue colonies
Proteus miriabilis ATCC 13315	Good growth	Light Brown colonies
Staphylococcus aureus ATCC 25923	Good growth	White-Cream colonies

Effective Date: 1/17/2019
Revision: 0

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Salmonella typhimurium ATCC 14028 Good growth Amber colonies

Results

Organism	Growth	Colony Color
Escherichia coli	Good	Pink
Enterobacter aerogenes	Good	Dark blue
Klebsiella pneumonieae	Good	Dark blue
Proteus miriabilis	Good	Light brown
Staphylococcus aureus	Good	White/cream (natural pigmentation)
Enterococcus faecalis	Good	Light blue
Pseudomonas aeruginosa	Good	Amber
Salmonella typhi	Good	Amber
Salmonella typhimurium	Good	Amber

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

Chromogenic agars for UTI can give atypical results when atypical strains are present in the sample. For example, 45% of *Enterobacter cloacae* do not contain β-glucosidase, therefore resulting in pink colonies not distinguishable from *E. coli*. For confirmation, the Indol test must be performed.

Storage

Store dehydrated culture media at 2-25°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

Samra Z, Heifetz M, Talmor J, Bain E and Bahar J. Evaluation of Use of a New Chromogenic Agar in Detection of Urinary Tract Pathogens. Journal of Clinical Microbiolology. 1998;36 (4): 990-4.

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