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)

ADDRESS (15431) 경기도 안산시 단원구 풍전로 37-9 트리플렉스 301동 118호
TEL 0507-1374-9229
FAX 0504-481-6749
E-MAIL bkkim@snapshoot.co.kr

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-0111 Revision Number: 1.0 Effective Date: 2019-05-16 12:00 AM EDT

Harlequin® Salmonella ABC Medium (NCM1003)

Intended Use
Salmonella ABC Medium is for the isolation of *Salmonella* spp, and is not intended for use in the diagnosis of disease or other conditions in humans.

Description
Salmonella spp. can be differentiated from other members of the family *Enterobacteriaceae* by their ability to produce α-galactosidase in the absence of ß-galactosidase. This medium, developed for the isolation of *Salmonella* spp. from food and clinical samples, utilizes a dual chromogen system to visualize these enzyme activities. This medium will also detect *Salmonella typhi* and *paratyphi*.

The first substrate, CHE-ß-Gal, is enzymatically cleaved by ß-galactosidase producing organisms giving black colonies in the presence of iron. Most Enterobacteriaceae are ß-galactosidase positive and these produce black colonies on Salmonella ABC. The second substrate, X-α-Gal, is hydrolyzed by Salmonella spp. producing green colonies that are easily distinguished from the black or colorless colonies of other organisms. The medium is based on D.C.A Hynes and hence utilizes sodium deoxycholate and sodium citrate as inhibitors. Isolation of *Salmonella* spp. by culture remains the most reliable method of detection. However, most media are highly non-specific and consequently place a heavy burden on the laboratory in terms of biochemical and serological confirmation of suspect colonies.

Typical Formulation

Beef Extract	5.0 g/L
Peptone	5.0 g/L
Sodium Citrate	8.5 g/L
Sodium Deoxycholate	5.0 g/L
Agar	12.0 g/L
X-α-Gal	0.08 g/L
CHE-β-Gal	0.3 g/L
Ferric Ammonium Citrate	0.5 g/L
IPTG	0.03 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 36.5 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. Cool to 45-50°C.

Test Procedure
Salmonella ABC Medium is typically used with a streaking method following selective enrichment in a medium such as Selenite Broth. Streak for single colonies after selective enrichment in Selenite Broth. Incubate plates at 37°C aerobically for 18 - 24 hours.

Quality Control Specifications
Prepared Appearance: Prepared medium is pale yellow clear gel.

620 Lesher Place • Lansing, MI 48912
800-234-5333 (USA/Canada) • 517-372-9200
foodsafety@neogen.com • foodsafety.neogen.com

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Minimum QC:
Salmonella typhimurium NCIMB 50076
Escherichia coli NCTC 9111

Results

Organism	Colony Size (mm)	Color	Other
Salmonella spp.	1.5 – 3.5	Green	(Black if ß -galactosidase +ve)
Shigella spp.	3.0 – 4.0	Colorless	(Black if ß -galactosidase +ve)
E. coli	pp – 2.5	Black	(No Growth)
Proteus spp.	pp – 1.0	Colorless	(Fishy Odor)

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. Lactose positive Salmonella spp. will also appear as black colonies 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. Perry, J.D., Ford, M., Taylor, J., Jones, A., Freeman, R., Gould, F.K., (1999). ABC Medium, a New Chromogenic Agar for Selective Isolation of Salmonella spp. J. Clin. Micro. 37: 766-768.