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® Vibrio Chromogenic Agar (NCM1015)

Intended Use
Vibrio Chromogenic Agar is a selective chromogenic agar for the detection and differentiation of *Vibrio* species that can be used as part of the ISO 21872-1:2017 workflow, and is not intended for use in the diagnosis of disease or other conditions in humans.

Description
Vibrio Chromogenic Agar is a selective chromogenic agar for the detection and differentiation of *Vibrio* species that can be used as part of the ISO 21872-1:2017 workflow, as a secondary plating medium alongside TCBS Medium (NCM0052).

Vibrio is a genus found naturally in salt water environments, with several species being pathogenic, including *V. cholerae*, *V. parahaemolyticus*, and *V. vulnificus.* The most significant of these is *Vibrio cholerae.* Seafood, especially filter-feeders such as muscles, clams and oysters, are often associated with food-borne infections, and can cause gastroenteritis and septicaemia.

Peptone and yeast extract provide sources of nitrogen, vitamins and amino acids. Sucrose, glucose and lactose, are fermentable carbohydrates and provide a carbon source, whilst the sodium salts and bile acids act as selective agents to inhibit the growth of Gram positive bacteria. The alkaline pH of the medium enhances the recovery of *V. cholerae*. The chromogenic substrates allow for the differentiation of the different *Vibrio* species. β-glucosidase activity will appear as blue/green colonies representing *V. parahaemoliticus*; β-galactosidase activity will present pink/red colonies representing *V. cholerae*. Yellow/white colonies represents *V. alginolyticus* which has β-galactosidase activity but does not express it due to the high concentration of sugars.

Typical Formulation

Peptone	10.0 g/L
Yeast Extract	3.0 g/L
Sucrose	20.0 g/L
Glucose	1.0 g/L
Lactose	0.1 g/L
Bile Salts	5.0 g/L
Chromogenic Mix	2.49 g/L
Sodium Thiosulfate	10.0 g/L
Sodium Citrate	10.0 g/L
Sodium Cholate	3.0 g/L
Sodium Chloride	10.0 g/L
Agar	15.0 g/L

Final pH: 8.6 ± 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 90 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. AVOID OVERHEATING. DO NOT AUTOCLAVE.
3. Cool to 45-50ºC.

Effective Date: 5/22/2019
Revision: 1

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Test Procedure
According to ISO 21872-1:2017, subculture is performed from Alkaline Saline Peptone Water (ASPW) (NCM0175), by streaking onto the surface of the agar. Incubate at 35 °C ± 2 °C for 24-48 hours.

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

Prepared Appearance: Prepared medium is slightly opalescent amber gel.

Results

Organism	Growth	Colony Color
Vibrio parahaemolyticus	Good	Blue/green
Vibrio cholerae	Good	Pink/red
Vibrio alginolyticus	Good	Yellow/white or Colorless
Vibrio vulnificus	Good	Pink/red
Pseudomonas aeruginosa	Inhibited	N/A

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 2-8°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. ISO 21872-1:2017 Microbiology of the food chain. Horizontal method for the determination of *Vibrio* spp. Detection of potentially enteropathogenic *Vibrio parahaemolyticus, Vibrio cholerae* and *Vibrio vulnificus.*

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