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-0390 Revision Number: 1.0 Effective Date: 2024-03-22 12:00 AM EDT

Casman Medium Base
SKU: 700004531, 700004532, 700004533
NCM0141

Intended Use

Casman Medium Base is used with blood for the isolation of *Haemophilus influenzae*, *Neisseria gonorrhoeae* and other fastidious microorganisms in a laboratory setting. Casman Medium Base is not intended for use in the diagnosis of disease or other conditions in humans.

Description

In 1947, Casman described an infusion-free medium enriched with 5% blood for fastidious microorganisms incubated anaerobically. This medium replaced formulas containing fresh meat infusion and heated blood. Casman adjusted the formula after experiments revealed nicotinamide disrupted the action of a blood enzyme that inactivates V factor (NAD). The concentration of nicotinamide was lowered to support growth of *Neisseria* spp.

Typical Formulation

Enzymatic Digest of Casein	5.0 g/L
Enzymatic Digest of Animal Tissue	5.0 g/L
Yeast Extract	10.0 g/L
Beef Extract	3.0 g/L
Niacinamide	0.05 g/L
p-Aminobenzoic Acid	0.05 g/L
Dextrose	0.5 g/L
Corn Starch	1.0 g/L
Sodium Chloride	5.0 g/L
Agar	13.5 g/L

Final pH: 7.3 ± 0.2 at 25°C
Formula is adjusted and/or supplemented as required to meet performance specifications.

Precaution

Refer to SDS

Preparation

1. Suspend 43 g 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 at 121°C for 15 minutes.
4. Cool to 45-50°C and aseptically add 5% sterile blood and 0.15% sterile water-lysed blood solution (one part blood to three parts water).

Quality Control Specifications

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

Prepared Appearance: Prepared medium without blood is trace to slightly hazy and light to medium amber. Prepared medium supplemented with 5% sheep blood is opaque and red.

Expected Cultural Response: Cultural response on Casman Medium Base supplemented with blood at 35°C after 18 - 24 hours incubation.

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

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Microorganism	Approx. Inoculum (CFU)	Expected Results
Haemophilus influenzae ATCC® 35056	50-200	Growth
Neisseria gonorrhoeae ATCC® 43070	50-200	Growth
Neisseria meningitidis ATCC® 19424	50-200	Growth
Streptococcus pneumoniae ATCC® 6305	50-200	Growth
Streptococcus pyogenes ATCC® 19615	50-200	Growth

The organisms listed are the minimum that should be used for quality control testing.

Test Procedure
Refer to appropriate references for specific procedures on the isolation and identification of fastidious microorganisms.

Results
Refer to appropriate references for results.

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

Limitations of the Procedure
1. Due to nutritional variation, some strains may be encountered that grow poorly or fail to grow on this medium.
2. Niacinamide in concentrations greater than 0.005% may inhibit growth of some *N. gonorrhoeae* strains; however, only slight stimulation of growth of *H. influenzae* occurs with this amount.
3. Casman Medium Base is intended for use with supplementation. Biochemical and immunological testing using pure cultures arerecommended for complete identification.

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. Casman, E. P. 1947. A noninfusion blood agar base for *Neisseriae*, *Pneumococci* and *Streptococci*. Am. J. Clin. Pathol. 27:281.
2. Casman, E. P. 1942. J. Bacteriol. 43:33.
3. Casman, E. P. 1947. J. Bacteriol. 53:561.

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