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.

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PPLO Broth Base without Crystal Violet
SKU: 700003288, 700003289, 700003290, 700003291
NCM0113

Intended Use
PPLO Broth Base without Crystal Violet is used with enrichments for the isolation and cultivation of *Mycoplasma* spp. in a laboratory setting. PPLO Broth without Crystal Violet is not intended for the use in the diagnosis of disease or other conditions in humans.

Description
PPLO Broth Base without Crystal Violet is prepared according to the formula described by Morton and Lecce. Crystal Violet may inhibit the growth of *Mycoplasma,* and therefore was removed from an earlier formula described by Morton, Smith, Williams, and Eikenberg. *Mycoplasma* was discovered in a case of pleuropneumonia in a cow, and referred to as “pleuropneumonia-like organism” or PPLO. *Mycoplasmas* belong to the class of *Mollicutes* “soft skin”, which are the smallest free-living organisms. They are pleomorphic, varying in size from 0.2 to 0.3 µm.

Typical Formulation

Heart Infusion	6.0 g/L
Yeast Enriched Peptone	10.0 g/L
Sodium Chloride	5.0 g/L

Final pH: 7.8 ± 0.2 at 25°C
Formula is adjusted and/or supplemented as required to meet performance specifications.

Supplement
Sterile Serum Supplement, 300 mL

Precaution
Refer to SDS

Preparation
1. Dissolve 21 g of the medium in 700 mL of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.
4. Cool to 45 - 50°C and aseptically add 300 mL of the appropriate sterile serum supplement.
5. Mix thoroughly.

Test Procedure
1. Inoculate organisms into PPLO Broth Base W/O Crystal Violet, following required time and temperature.
2. Subculture onto PPLO Agar.
3. Refer to appropriate references for complete details on the specific procedures for the isolation and identification of *Mycoplasma* spp.

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

Prepared Appearance: Prepared medium is trace to light hazy with none to trace precipitate and yellow.

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Expected Cultural Response: Cultures were inoculated into PPLO Broth W/O CV and incubated at 35 ± 2°C aerobically. After 3, 4, and 5 days of incubation the test organisms were subcultured onto PPLO Agar. PPLO Agar plates were incubated at 35 ± 2°C under CO2 enrichment for 3 – 8 days and examined for the presence of Mycoplasma colonies.

Microorganism	Approx. Inoculum (CFU)	Expected Results
Mycoplasma bovis ATCC® 25025	10^3	Growth
Mycoplasma gallinarum ATCC® 19708	10^3	Growth
Mycoplasma pneumoniae ATCC® 15531	10^3	Growth
Acholeplasma laidlawii ATCC® 14089	10^3	Growth

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

Results

Examine PPLO Agar after 4 to 7 days of incubation. *Mycoplasma* colonies are round, 0.01 to 0.5 mm in diameter with a dense center and a less dense periphery producing a “fried egg” appearance.

Expiration

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

Limitation of the Procedure

Due to nutritional variation, some strains may be encountered that grow poorly or fail to grow on this medium.

Storage

Store sealed bottle containing the dehydrated medium at 2 - 30°C. 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. Morton, H. E., and J. G. Lecce. 1953. Selective action of thallium acetate and crystal violet for pleuropneumonia like organisms of human origin. J. Bacteriol. 66:646-649.
2. Morton, H. E., P. E. Smith, N. B. Williams, and C. F. Eickenberg. 1951. Isolation of pleuropneumonia-like organisms from human saliva: A newly detected member of the oral flora. J. Dent. Res. 30:415-422.
3. Baron, E. J., L. R. Peterson, and S. M. Finegold. 1994. Bailey & Scott’s diagnostic microbiology, 9th ed. Mosby-Year Book, Inc. St. Louis, MO.
4. Kenny, G. E. 1985. *Mycoplasmas*. *In* E. H. Lennette, A. Balows, W. J. Hausler, Jr., and H. J. Shadomy (eds). Manual of clinical microbiology, 4th ed. American Society for Microbiology, Washington, D.C.
5. Parsons, C. 2002. Medline Plus, *Mycoplasma pneumonia*. Department of Internal Medicine, Division of Infectious Diseases, University of Virginia, Charlottesville, VA.

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