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

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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.

soleris®

Direct Pseudomonas Burkholderia Cepacia Complex

Product Number: PD-109 and S2-BCC-S



Pictured: PD-109 vial with S2-BCC-S added uninoculated (left) and inoculated vial (right).



Pictured: S2-BCC-S Burkholderia cepacia complex supplement

Introduction

The *Pseudomonas* vial (PD-109) with the supplement (S2-BCC-S) is specific for detecting *Burkholderia cepacia* complex. The vial has a detection time within 72 hours for most applications. The vial contains a selective medium and the supplement which is added to the vial. As organisms grow in the broth medium, the carbon dioxide (CO_2) produced diffuses through a membrane layer into a soft agar plug containing a dye indicator. The membrane layer also serves as a barrier, eliminating product interference with the reading window. The CO_2 released during the organism growth changes the agar plug from green/blue-green to yellow. The instrument reads the color change in the dye. The supplement's addition will change the color of the media in the vial from beige to light green.

Materials Required

1. PD-109 vial
2. Modified Letheen broth (BLX-MLT)
3. S2-BBC-S supplement

Dependent on Sample Tested

1. Sterile 1N to 5N sodium hydroxide (NaOH) and/or hydrochloric acid (HCl)
2. pH meter or pH paper

Vial Specifications

1. Vial pH is 7.0 ± 0.2
2. Vial sample capacity: 0.1 mL

Sample Preparation

1. For USP testing, perform 1:10 dilution by adding 10 g of sample in 90 mL of BLX-MLT or designated neutralization broth.
   a. Check pH and adjust if necessary to 7.0 ± 1.0
2. Incubate for 24–30 hours at 35°C.

Vial Preparation

1. Remove the PD-109 vials from the refrigerator and allow them to equilibrate to room temperature.

Inoculation of Vial

1. Transfer 0.2 mL of S2-BCC-S to the PD-109 vial.
2. Cap the vial and gently invert 3 times to mix the sample.
3. Transfer 0.1 mL of the incubated enrichment to the PD-109 vial.
4. Cap the vial and gently. Invert the vial 3 times to mix the sample. Note: Keep the cap tight.
5. Insert the vial into the BioLumix® instrument set at 35°C and run for the preprogrammed test duration. It is not recommended to adjust the parameters without consulting NEOGEN® Technical Services.
6. If detection occurs, send samples out for identification.

Algorithm

Test	Test Type	Detection Level	Resolution	Ignore	Test Duration	Temperature
PD-109 with S2-BCC-S	Yellow	10	1	60	48–72 hours	35°C

Confirmation Procedure

1. Confirm any positive samples on BCSA.
2. Streak 10 uL loop from vial for isolation onto BCSA plate.
3. Incubate BCSA plate at 30°C to 35°C for 48–72 hours.
4. Any growth on *Burkholderia cepacia* selective agar is confirmed by identification tests according to Microbial Characterization, Identification, and Strain Typing USP <1113>.
5. If the plates do not have typical colonies, the test specimen meets the requirement for the absence of *Burkholderia cepacia* complex.

Disclaimers

The information provided is based on validation procedures that NEOGEN performed in NEOGEN laboratories. Deviation from procedures is possible but should be discussed with NEOGEN Technical Services.

The appearance of the vials should be inspected prior to use.

Certain product matrices may require new parameters. For more information, contact NEOGEN Technical Services.

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