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.



soleris®

Direct *Alicyclobacillus* (ACB) Vial

Product No. ACB-109

Instructions for use in Soleris Instrument



Soleris® vial uninoculated (left) and inoculated vial (right).

The Direct *Alicyclobacillus* Vial rapidly detects guaiacol producing *Alicyclobacillus* contamination in beverages and raw materials. The vial has an assay time of 48 hours for most applications. 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 color change in the dye is read by the Soleris® instrument. The membrane layer also serves as a barrier, eliminating product interference with the reading frame.

Materials Required:

1. ACB-109, Direct *Alicyclobacillus* (ACB) Medium Vial
2. Water bath capable of 80°C ± 1°C.

Dependent on Sample Tested:

1. Sterile distilled or deionized water or *Alicyclobacillus* Medium
2. Sterile membrane filtration apparatus and 0.45 µm membrane filters

Guaiacol Production Confirmation:

1. Guaiacol Detection Kit – Cosmo Bio Co., Ltd., Catalog No. KOY-08921
2. 12 X 75 mm clear glass or similar tubes

Vial Specifications

1. Vial pH is 4.0 ± 0.2
2. Vial sample capacity up to 1.0 mL

Vial Preparation

1. Remove ACB-109 vials from 2–8°C storage and allow to equilibrate to room temperature.

Sample Preparation

1. Non-filterable and concentrated products
   a. Prepare a 1:10 dilution of the sample by adding 10 grams or mL of sample to 90 mL of sterile distilled water, sterile deionized water or Alicyclobacillus Medium.
   b. Heat shock the diluted sample for 10 minutes at 80 ± 1°C.
   c. Cool to room temperature by immediately placing in an ice bath.
2. Filterable products
   a. Heat shock 100 mL of the sample for 10 minutes at 80 ± 1°C.
   b. Cool to room temperature by immediately placing in an ice bath.
3. Samples should be heat shocked in a container that can withstand the high, 80 ± 1°C temperature.
4. Samples prepared in *Alicyclobacillus* Medium may be pre-incubated at 45 ± 1°C for 24-28 hours prior to Soleris vial inoculation.

Inoculation of Vial

1. Non-filterable and concentrated products
   a. Inoculate the vial with no more than 1.0 mL of the sample to be tested.
   b. Cap the vial and gently invert 3 time to mix sample. Keep cap tight.
   c. Insert the vial into the Soleris instrument set at 43°C or as indicated by the trainer. The incubation temperature and test duration can be optimized for different product types. It is not recommended to adjust the parameters without consulting Neogen Technical Services.
2. Filterable Products
   a. Filter sample through a sterile membrane filtration apparatus using a 0.45 µm membrane filter.
   b. Transfer member filter to ACB-109 vial.
   c. Cap the vial and gently invert 3 time to mix sample. Keep cap tight.
   d. Insert the vial into the Soleris instrument set at 43°C or as indicated by the trainer. The incubation temperature and test duration can be optimized for different product types. It is not recommended to adjust the parameters without consulting Neogen Technical Services.

Algorithm Utilized:

Test	Threshold	Skip	Shuteye	Duration	Temperature
ACB-109	8	2	25	48 Hours	43°C

Guaiacol Production Confirmation (Optional)

Confirmation of guaiacol positive *Alicyclobacillus* can be performed from a positive Soleris Direct *Alicyclobacillus* (ACB-109) Vial

1. From a positive Soleris Direct *Alicyclobacillus* (ACB) Medium Vial, invert to mix and transfer 2.0 mL of the broth medium into an empty 12x75 mm tube.
2. Add reagents 1, 2 and 3 from the Guaiacol Detection Kit
   a. Add 1.0 mL of Reagent 1 into each tube.
   b. Add 0.020 mL of Reagent 2 into each tube.
   c. Add 0.020 mL of Reagent 3 into each tube.
3. Gently mix contents of the vial.
4. Let stand for 5–10 minutes and observe for a color change.
5. Add reagents (step 2) to a separate 12x75 mm tube and 2.0 mL from an uninoculated vial for a negative control.
6. A positive reaction will turn the vial a dark brown color.



Disclaimers:

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.

Appearance of the vials should be inspected prior to use.

If shuteye detections, are observed the threshold may need to be adjusted based on the product matrix. Certain product matrices may require parameter adjustments, including increased test duration. For more information contact Neogen Technical Services.

NEOGEN®

800-234-5333 (USA/Canada) or 517-372-9200
foodsafety@neogen.com • foodsafety.neogen.com

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