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.

Microplate formats for Acetic Acid

1. Can the Megazyme Kits be used in a 96-well microplate format?

Some Megazyme test kits have been designed for use with auto-analysers and therefore conversion to a 96-well microplate format can be achieved without any assay volume modification. However, the majority of the Megazyme test kits are developed to work in micro-cuvettes however they can be converted for use in a 96-well microplate format. Basically, the assay volumes for the cuvette format must be reduced approximately 10-fold for use in a 96-well microplate. However, you must be aware that, unlike the cuvette which has a set pathlength of 1 cm, the pathlength in the microplate is dependent upon the volume of liquid in the well. Therefore to enable the calculation of the amount of analyte in the samples from tests performed in the microplate format one of the following must be done:

1. The easiest method is to use a microplate reader that has a pathlength conversion capacbility (i.e. the microplater reader can detect the pathlength of each well and convert the individual readings to a 1 cm pathlength). This will allow values to be calculated using the MegaCalc calculation software which can be found where the product is located on the Megazyme website.

2. Perform a standard curve of the analyte on each microplate that contains test samples and calculate the result of the test samples from the calibration curve (concentration of analyte versus absorbance).

3. Perform a standard curve of the analyte in both the cuvette format (i.e. with a 1 cm pathlength) and the 96-well microplate format and use these results to obtain a mean conversion factor between the cuvette values and the microplate values.

2. Which acetic acid kit should I use for a 96-well microplate format?

Either K-ACETRM or K-ACETAK can be used in a 96-well microplate format and the main advantages / disadvantages of one kit over the other are described below:

K-ACETRM:
The assay volumes of this kit should be reduced by 10-fold for use in a 96-well microplate format.

The calculation of results is achieved as outlined above in either of points 1, 2 or 3.

The main advantage here is that if this kit is used with a microplate reader that has a pathlength conversion capability or if results are converted as outlined above in point 3 then this enables easy calculation of results using the K-ACETRM MegaCalc application (available on the Megazyme website where the product is located).

K-ACETAK:
This kit is designed for use in an auto-analyser and therefore **can be used without any modification to assay volumes** directly in a 96-well microplate format.

This kit has less reagent additions than K-ACETRM,

K-ACETAK does not have a MegaCalc application available to enable easy results calculation which therefore must be achieved as outlined above in either of points 2 or 3.