

# aCOLyte 3

## AUTOMATED MICROBIOLOGY

Affordable automated  
colony counting



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# aCOLyte<sup>3</sup>

Automation you can count on

**aCOLyte<sup>3</sup>** is the latest affordable, automated colony counting device from Synbiosis. The **aCOLyte<sup>3</sup>** is available in one configuration and features new simple-to-use software that greatly improves efficiency, reliability and productivity over previous models.

The new **aCOLyte<sup>3</sup>** software uses a powerful new algorithm for colony counting on pour and spiral plates which until now was only found on the advanced ProtoCOL 3 models. Plates are automatically counted with results directly transferred to Excel or Open office.

The new style **aCOLyte<sup>3</sup>** accepts plates up to 90mm diameter. Lighting is provided by LEDs mounted above and below the sample area for both transmitted and epi illumination. A detachable screen can be used to eliminate strong ambient light if required.

**aCOLyte<sup>3</sup>** can be used with any conforming laptop or desktop PC and connects simply by using a USB port.



## Low cost

**aCOLyte<sup>3</sup>** is a low cost entry into electronic colony counting. Results and plate images are saved to a PC enabling traceability, consistency and report generation in Excel.

## Automated

With the **aCOLyte<sup>3</sup>** plates can be counted rapidly. Typically plates can be counted accurately in under 1 second.

## Image display

Unlike any manual system the **aCOLyte<sup>3</sup>** displays the image on your computer screen with counted colonies clearly marked. The zoom function allows the user to closely view plates, confirming accurate counting.

## Sensitive CCD camera

An integral CCD colour camera can be adjusted to increase the sensitivity of the detection, enabling colonies as small as 0.1mm to be imaged and counted.

## Switchable lighting

The LED lighting can be switched from upper to lower options, enabling counting on both light and dark media.

## Camera

High resolution CCD colour camera, enabling colonies as small as 0.1mm to be counted

## Design

Proved styling which looks good in any laboratory

## Lighting

Switchable LED lighting, enabling counting on both light and dark media

## Platform

Sample platform for accurate plate positioning

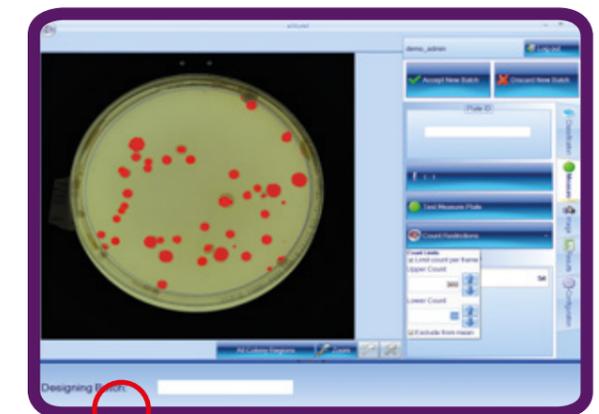
## Screen

Detachable screen to eliminate ambient light

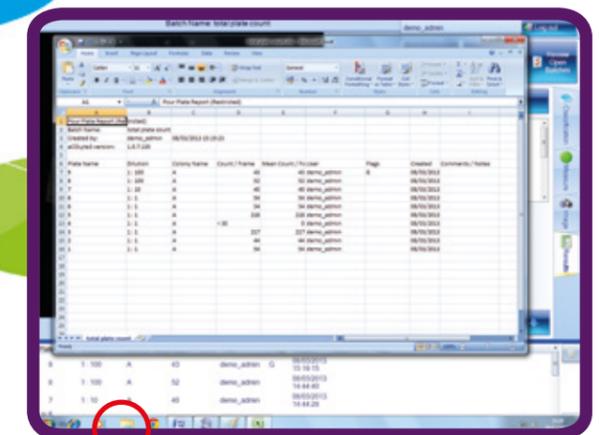
# aCOLyte<sup>3</sup> SOFTWARE

At the heart of every **aCOLyte<sup>3</sup>** automated colony counter is the innovative and intuitive **aCOLyte<sup>3</sup>** software. Designed with the busy microbiologist in mind, the **aCOLyte<sup>3</sup>** uses the powerful Synbiosis algorithm for accurate counting. A colony separator automatically splits touching colonies to further improve accuracy of the counting process.

- **aCOLyte<sup>3</sup>** comes with both the Pour and Spiral modules as standard
- Simple to use software displays only those commands relevant to each operation
- Suitable for use with a touch screen PC
- Images and counts automatically saved with each measurement
- All data is saved to a SQL database
- Reports directly exported to Excel or Open Office



**aCOLyte<sup>3</sup>** uses a powerful counting algorithm which counts plates quickly and accurately with colonies clearly marked. Count limits, dilutions and exclude regions can be applied and controls on the measure screen allow adjustments to be made on a plate by plate basis if required.



Customisable reports are generated directly into Excel or Open Office.