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ACOLYTE 3

AFFORDABLE AUTOMATED COLONY COUNTING FOR MICROBIOLOGY.

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Key Features

Greatly improves efficiency, reliability and productivity.

Automation you can count on

The new aCOLyte3 style accommodates plates up to 90mm in diameter. It features LEDs mounted both above and below the sample area, providing lighting for both transmitted and epi-illumination. If necessary, a detachable screen can be used to eliminate strong ambient light.

The aCOLyte3 is compatible with any conforming laptop or desktop PC and can easily connect via a USB port.

Model	aCOLyte 3
Design	Unique colour and modern design to stand out in your lab
Camera	Integrated Camera: 1 megapixel CMOS with f1.5 lens
Dimentions (WxHxD) cm	30 x 28 x 30
Weight (kg)	3.5
Power Input (V)	100 - 240

Low Cost

With electronic counting capabilities and the ability to save results and images directly to your PC, aCOLyte 3 provides unparalleled traceability, consistency, and report generation in Excel, PDF, or OpenOffice.

Automated

Experience the difference with aCOLyte 3 - accurately count plates in under a second, saving you valuable time.

Image Display

Unlike manual systems, the aCOLyte 3 displays an image of counted colonies marked clearly on a computer screen. The zoom function allows close examination of plates to ensure accurate counting.

Sensitive CMOS Camera

With the integrated CMOS colour camera, you can adjust the detection sensitivity and capture even the smallest colonies for precise imaging and counting.

Switchable Lighting

With our LED lighting, you have the flexibility to switch between upper and lower options. This means you can count on both light and dark media, making it a versatile solution for all your needs.

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System Features

High-Quality Camera

Revolutionise your colony counting with our high-resolution CMOS colour camera. With the ability to count colonies as small as 0.1mm, you'll never miss a single one. Experience unparalleled accuracy and efficiency in your lab work.

Stylish Design

It is designed to be both elegant and practical, making it the perfect addition to any lab, the ideal blend of form and function.

Flexible System

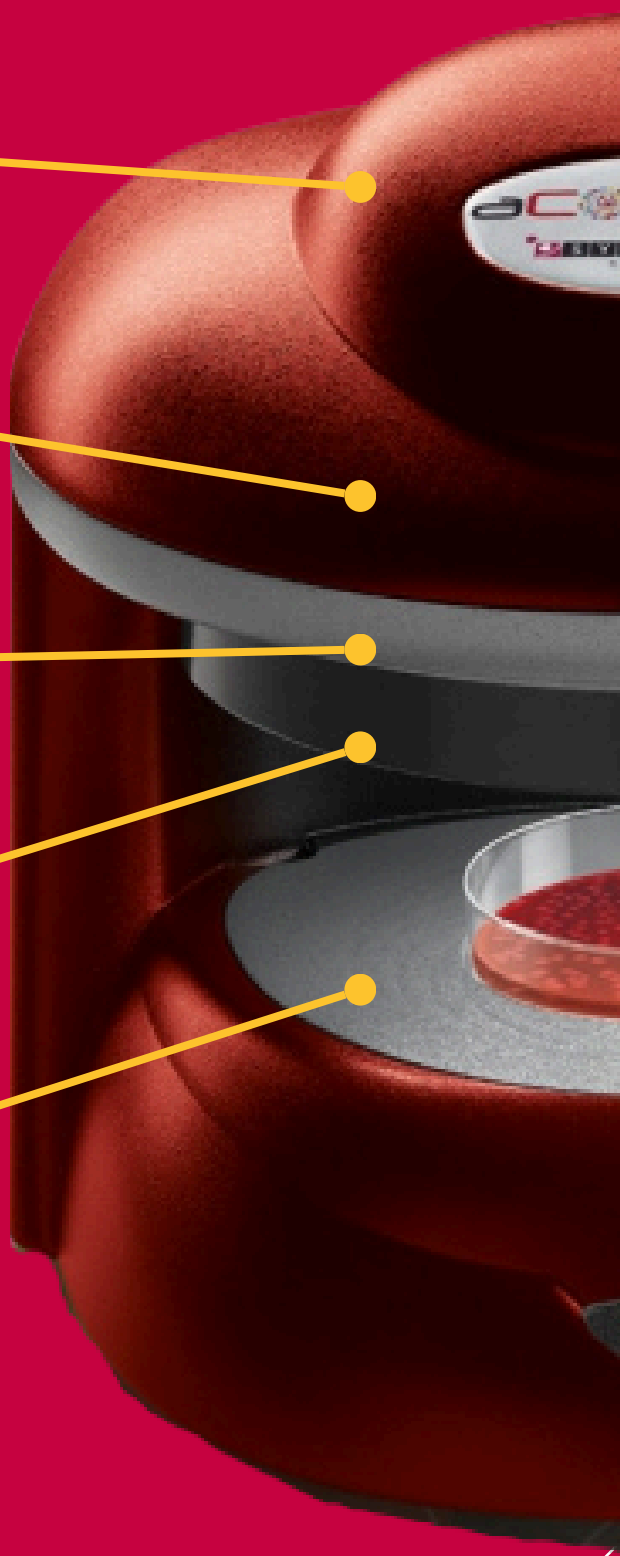
Transform your viewing experience with the detachable screen that eliminates distracting ambient light. Say goodbye to eye strain and hello to crystal-clear visuals.

Range of Lighting

Experience hassle-free counting with our product's switchable LED lighting feature. There is no need to worry about limitations of counting on only light or dark surfaces. With our product, you can count with ease on both!

Versatile Platform

Revolutionise your plate positioning with our sample platform. Accurately and effortlessly position plates like never before.



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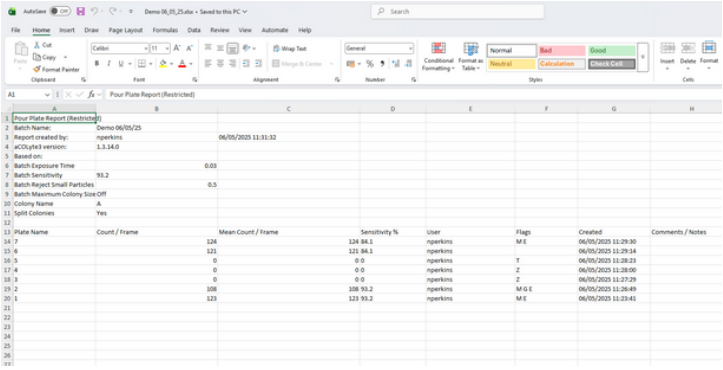
Software

aCOLyte 3 Software

The aCOLyte 3 automated colony counter has innovative and user-friendly aCOLyte 3 software at its core. This software is designed to cater to the needs of busy microbiologists and employs the powerful Synbiosis algorithm ensures accurate counting. Additionally, a colony separator automatically splits touching colonies, thereby improving the accuracy of the counting process even further.

- aCOLyte 3 comes with both the Pour and Spiral modules as standard
- Simple to use software displays only those commands relevant to each operation
- Images and counts automatically saved with each measurement
- All data is saved to a SQL database
- Reports directly exported to Excel, PDF or Open Office

With the aCOLyte3, counting plates is quicker and more accurate than ever. Our powerful algorithm ensures that colonies are clearly marked, allowing for easy counting. Plus, you can apply count limits, dilutions, and excluded regions to ensure complete accuracy. And if you need to make adjustments on a plate-by-plate basis, our control features make it easy.



1	Pour Plate Report (Restricted)							
2	Batch Name:	Demo 06/05/25						
3	Report created by:	nperkins	06/05/2025 11:31:32					
4	aCOLyte3 version:	1.3.14.0						
5	Based on:							
6	Batch Exposure Time	0.03						
7	Batch Sensitivity	93.2						
8	Batch Reject Small Particles	0.5						
9	Batch Maximum Colony Size Off							
10	Colony Name	A						
11	Split Colonies	Yes						
12								
13	Plate Name	Count / Frame	Mean Count / Frame	Sensitivity %	User	Flags	Created	Comments / Notes
14	7	124	124	84.1	nperkins	M E	06/05/2025 11:29:30	
15	6	121	121	84.1	nperkins		06/05/2025 11:29:14	
16	5	0	0	0	nperkins	T	06/05/2025 11:28:23	
17	4	0	0	0	nperkins	Z	06/05/2025 11:28:00	
18	3	0	0	0	nperkins	Z	06/05/2025 11:27:29	
19	2	108	108	93.2	nperkins	M G E	06/05/2025 11:26:49	
20	1	123	123	93.2	nperkins	M E	06/05/2025 11:23:41	

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Providing innovative imaging and analysis systems for the microbological process

About Synbiosis

Synbiosis is part of the Synoptics family, with over 40 years of experience designing and producing scientific instruments based on digital imaging technology.

At Synbiosis, we are passionate about making colony counting and zone analysis easier. That's why we have developed products specifically designed to automate colony counting and inhibition zone measurement to relieve you of the tedium involved with these repetitive manual tasks.

Our unique, ground-breaking technologies and practical experience have been applied to various companies' needs, from pharma to microbiology. We want to partner with companies requiring unique versions of our existing products or completely new designs. If you have a challenge for us, book a demo!

Beacon House,
Nuffield Road,
Cambridge,
CB4 1TF,
UK

01223 727100

sales@synbiosis.com

www.synbiosis.com

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

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