



colonyTM
cope



M:MASCHINETM
EMBRACING TECHNOLOGY

Colony Cope

Automatic Colony Counter

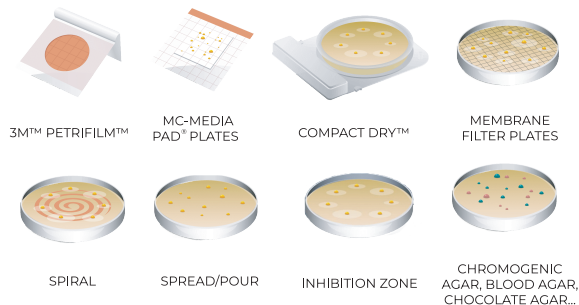
Pharmaceutical | Food & Beverage | Environment | Cosmetics



Product Overview

The Colony Cope is an Automatic Colony Counter that meets all the requirements of modern microbiology laboratories while increasing its throughput.

Colony Cope is a one-size-fits-all solution that reads automatically different types of plates with the same instrument.



Colony Cope
Colony Count

Plate ID:	XXXXXXXXXX_Previewed.Films
Method:	TEMPLATE_Silbury
Date/Time:	2021/09/12 11:08:06
Operator:	S.A.T.
Results Group ID:	Count Results

Inoculation mode:	Spread or Pour
Inoculated Volume (ml):	1
Dilution Factor:	10
Excluded Area:	15.79 %

ColonyClass	Mark Color	Count	Counted Volume (ml)
Class 1	+	941	0.042

Inocul Values	
Thr. to back (25% Rf): 1.0 mm; Min Diameter (mm):	0.3



Main benefits

Utmost accuracy

Its patented spherical chamber eliminates reflections in both colonies and Petri plates, and this enables uniform illumination. An improved image capture for better, more reliable and consistent results.

Wide range of colony counting

Easy & intuitive powerful software. Even the LITE version will detect a wide range of colony types with minimal or no user parametrization.

Audit Trail & User Management

Colonies Pro & Halos Pro softwares comply with 21 CFR Part 11. Their security-relevant chronological set of records will provide documentary evidence of the sequence of activities have affected a specific operation.

One-size-fits-all

A single device for all types of plates. The adapters and centering devices designed to fit various diameters enable to switch plate anytime.

Plate analysis

Easy and automatic generation of customized statistical reports including as many plates as needed.

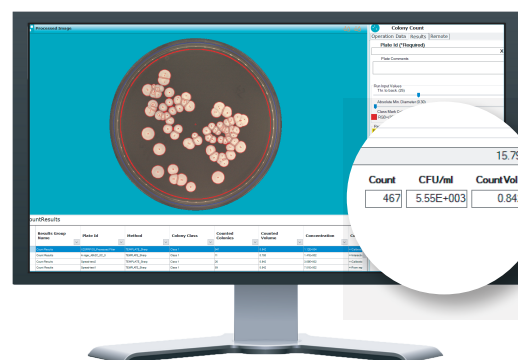
High resolution

Colony Cope is capable of detecting colonies of 0.3 mm using Colonies Lite Software and 0.046 mm using Colonies Pro Software.



Software: Colonies Lite, Colonies PRO & Halos PRO



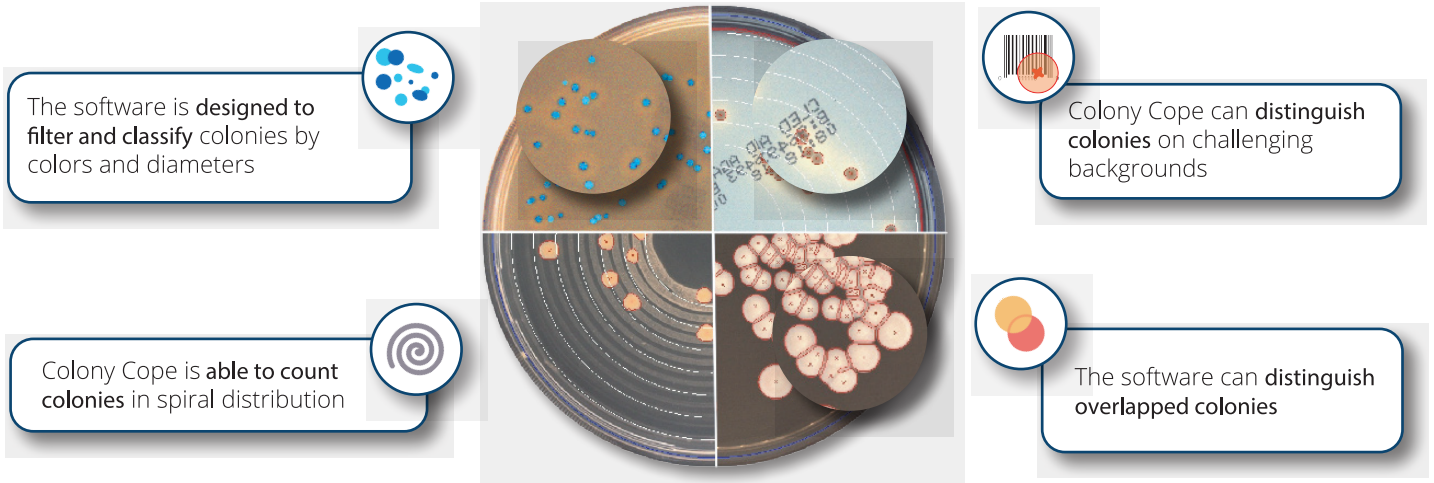
As we understand that resources are limited we designed the Colony Cope with a small footprint and scalable software. Use only the features you need and add new capabilities as your lab work requires.



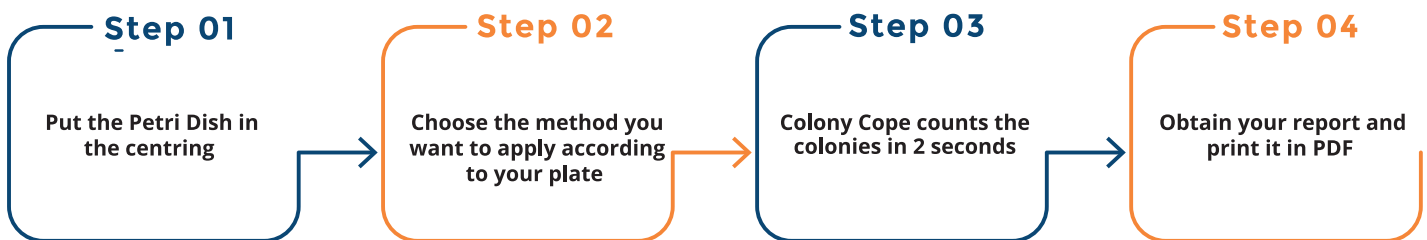
SOFTWARE CHARACTERISTICS

Features		Colonies LITE	UPGRADE  Colonies PRO	UPGRADE  Halos PRO
• Colony counting		✓	✓	
• Automatic calibration & verification		✓	✓	✓
• Colonies classification by color or size			✓	
• Audit Trail available			✓	✓
• User Management				✓
• CFR21 Part 11 - Compliant			✓	✓
• LIMS Interface			✓	✓
• Statistical report		✓	✓	
• Report Generation			✓	✓
• Logo customization on the report			✓	✓
• Data export in PDF & CSV		✓	✓	✓
• Images export in .PNG		✓	✓	✓
• Designed for (RODAC plates) and membrane filter plates	100mm	✓		
	90mm	✓	✓	
	60mm	✓	✓	
• Inhibition Zones Measurement				✓
• Antibiotic Potency Test according to the procedure of US Pharmacopoeia				✓
• Accessories available for 3M™, Petrifilm™, Compact Dry™ and MC-Media Pad® plates		✓	✓	

Accuracy of counting



Workflow



Reflection-Free Illumination

The lighting is done through LEDs oriented to the internal wall of a moving spheric chamber and comes from above and/or below the chamber. The result is an unprecedented uniform and reflection-free illumination in the colony counter device.

The moving sphere automatically closes the chamber and prevents the area from any external light.



Technical Specifications

Computer Interface	USB 3.0 Type-A socket	Operation time	2 seconds (minimum)
Mains AC adapter Output	12V DC 3.43A	Dimensions	288x220x371 mm (1.34x8.66x14.6 in)
Illuminating system	Automatic lifting sphere	Weight	5,5Kg (12.13 lb)
Reflection lighting	LED, diffused by the sphere	Power Range	90 ~ 264 VAC
Transmitted lighting	LED, homogenous surface	Frequency Power	47 ~ 63Hz
Protection of the external light interference	Opaque sphere	Maximum Power	40W
Kind of samples	90mm dishes; 60mm dishes; filter discs; films	Air temperature	15-30°C (59-86°F)
Sensor	CMOS 5 Mpixel	Frequency Range	50-60Hz

Computer requirements

*Computer not included

Microsoft Windows® 7, 8.1, 10 (x64 platforms)	1 free USB 3.0 Port
8 GB of RAM memory	100 MB of free disk space and 100 GB for the Database (for 5000 results stored with images)
FullHD screen (1920x1080) recommended exported Excel® files.	24" screen size recommended
Microsoft Excel® 2007 or higher, 64 bits to open	A virtual PDF printer to create PDF reports

Accessories

1. AC Adapter
2. Power Cord
3. Verification disk for Halos
4. Verification disk for Colonies
5. Calibration disk
6. Cable USB 3.0
7. Centering device ~87-91 mm ø
8. Centering device 65-70 mm ø
9. Centering device 54-60 mm ø
10. Compact Dry™ adapter
11. Petrifilm™ adapter
12. MC-MEDIA® adapter
13. Barcode reader

Ordering Information

1. Colony Counter unit
(includes Colonies LITE software)
2. Colony PRO software
3. Halos PRO software

For more
information
about
Colony Cope,
scan the QR code

For more information visit us at:

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