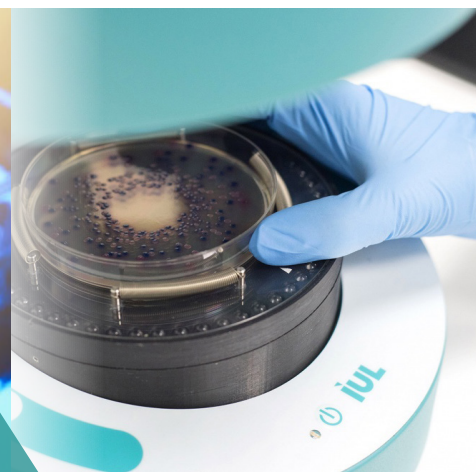


SPHEREFLASH®

Automatic Colony Counter Inhibition Zone Reader

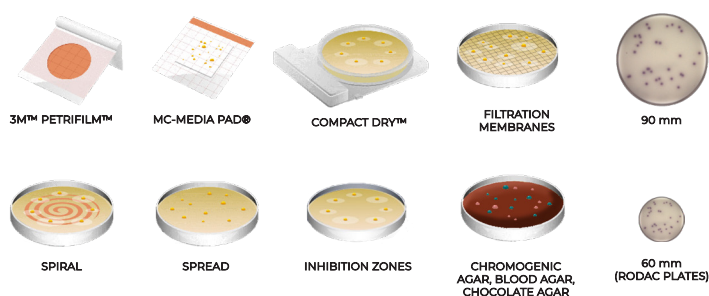
Pharmaceutical | Food & Beverage | Environmental | Cosmetics



Product Overview

The SphereFlash® is an automatic colony counter and inhibition zone reader that meets all the requirements of modern microbiology laboratories while **increasing their throughput**.

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



SphereFlash®
Colony Count

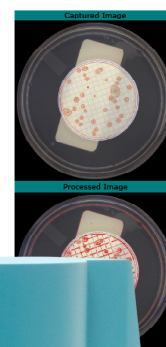
Plate ID:	XXXXXX103_PersonalFilter
Method:	TEMPLATE: Sharp
Date/Time:	2021/09/12 11:00:06
Operator:	BLAT
Results Group ID:	Count Results

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

ColonyClass	Mark Color	Count	Counted Volume (mL)	Result CFU/mL
Class 1	+	941	0.042	1.12E+04

Group Values	
Thr. to back (25):	Plate Diameter (mm):85.0; Min Diameter (mm):0.3

Patented
spherical
chamber



Main benefits

Utmost accuracy

Finest image capture for better, more reliable, and consistent results thanks to its optimized image acquisition.

One-size-fits-all

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

Adjustment-free colony counting

Count the CFU in just one click with the powerful Artificial Intelligence of SphereFlash® AI Colony Counting Software. Free demo available.

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.

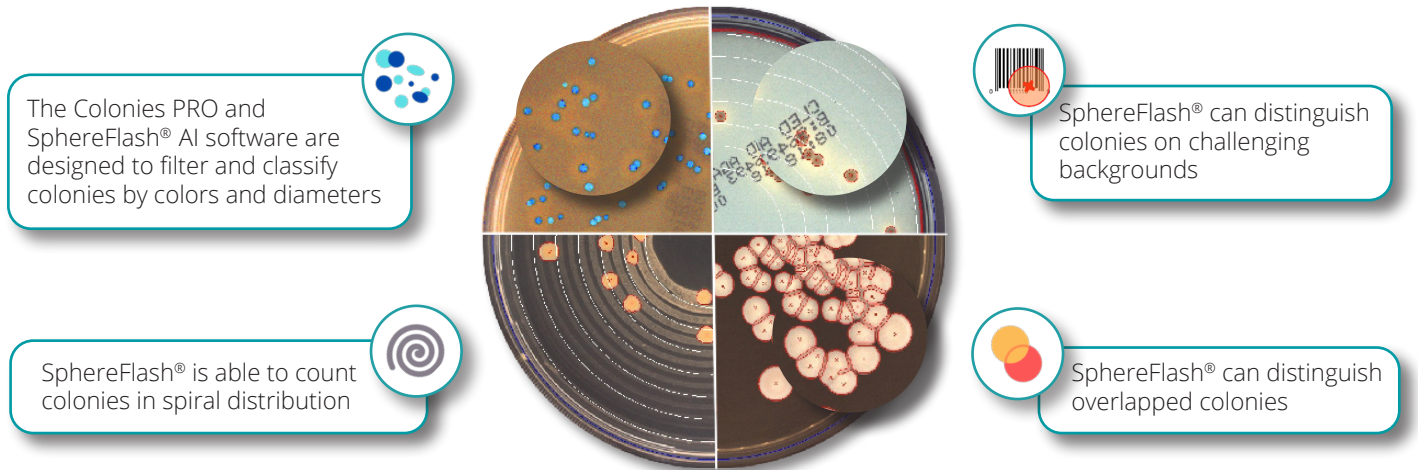
Audit Trail & User Management

SphereFlash® AI, Colonies PRO and Halos PRO software comply with 21 CFR Part 11. Their security-relevant chronological set of records will provide documentary evidence of the sequence of activities that have affected a specific operation.

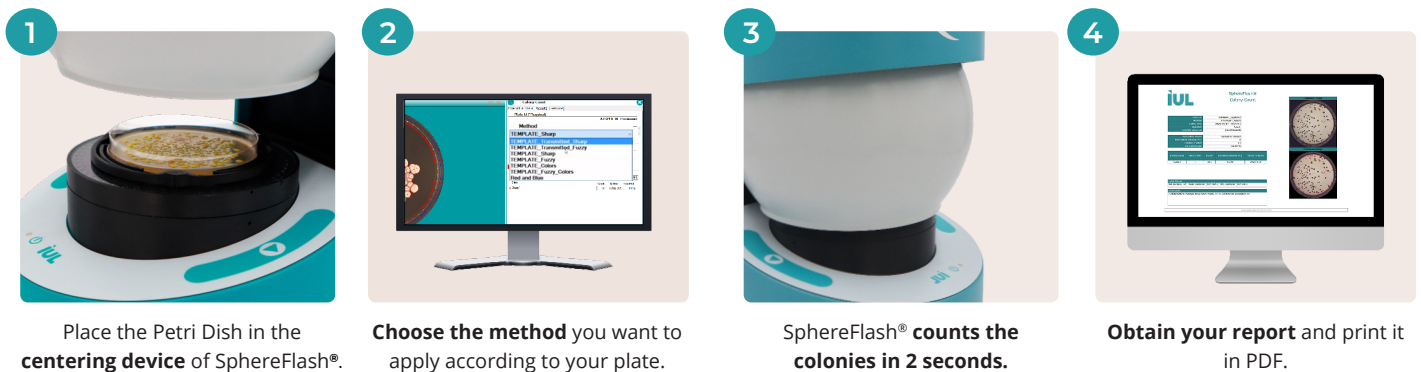
High resolution

SphereFlash® is capable of detecting colonies of 0.3 mm using Colonies LITE Software, 0.1 mm using SphereFlash® AI and 0.046 using Colonies PRO Software.

Accuracy of counting



Workflow



Reflection-Free Illumination

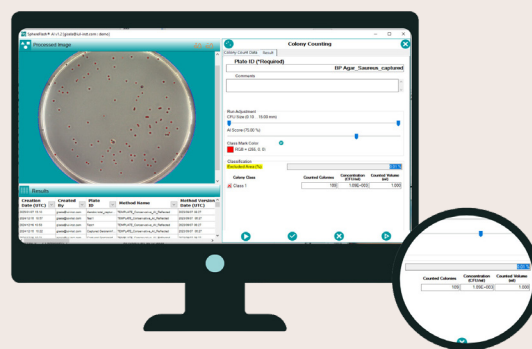
The instrument offers dual LED lighting and an automatic lifting sphere, providing both reflected and transmitted lighting and preventing external light interference for uniform and reflection-free illumination, ensuring optimal visibility of both colonies and Petri plates.



Software

Due to the potential limitation of resources, we designed the SphereFlash® with a small footprint and scalable software.

Use only the features you need and add new capabilities as your lab workload requires.



COLONY COUNTING SOFTWARE

Colonies LITE
Standard method

Colonies PRO
Advanced method customization

SphereFlash® AI
AI-based auto count

NEW!

HALOS MEASURING SOFTWARE

Halos PRO

Catalog number	Cat. 90007000	Cat. 90007001	Cat. 90007009 Cat. 90007010/11/12	Cat. 90007002
High accuracy and repeatability	✓	✓	✓	-
Artificial Intelligence auto-count	-	-	✓	-
Instrument Automatic Calibration & Verification	✓	✓	✓	✓
Colony diameter 0.3 mm 0.046 mm	0.1 mm 0.3 mm	0.046 mm	0.1 mm	-
Statistical report	✓	✓	✓	✓
Data export in PDF & CSV	✓	✓	✓	✓
Images export	✓	✓	✓	✓
Logo customization on the report	-	✓	-	✓
Traceability: LIMS Interface Connection	-	✓	✓	✓
21 CFR Part 11 - Compliant	-	✓	✓	✓
Audit Trail & User Management	-	✓	✓	✓
Type of license	Included	One-time payment	Yearly subscription	One-time payment
Inhibition Zone Measurement	-	-	-	✓
Antibiotic Potency Test according to the procedure of US Pharmacopoeia	-	-	-	✓

Free demo trial: 100-image offered with SphereFlash®AI.

Technical data and computer requirements*

Dimensions	288x220x371 mm (1.34x8.66x14.6 in)
Weight	5.5 kg (12.13 lb)
Processor	PassMark CPU Mark from 2500 to 8000 points
RAM	8GB
Interface	1 free USB 3.0 Port
Screen resolution	FullHD screen (1920x1080) recommended
Applications	Microsoft Excel® 2007 or higher, 64 bits to open exported Excel® files Virtual PDF printer to create PDF reports

<i>Software specifications</i>	SphereFlash® AI Colony Counting Software	Colonies LITE Colonies PRO Halos PRO
Internet connectivity	Required	-
Operating system	Microsoft Windows® 10, 11 (x64 platforms)	Microsoft Windows® 7, 8.1, 10, 11 (x64 platforms)
Free disk space	100MB	App: 100MB Database: 10GB (5000 results & images)

*Specifications subject to change without notice.
Computer not included.

Ensure your samples are prepared the best way for SphereFlash®



Eddy Jet 2W - Spiral Plater

Save time with its 2-in-1 method: dilution and plating. Obtain a threefold dilution in a single Petri dish.



Spin Air - Air Sampler

Sample environmental air utilizing a 100% of the Petri dish thanks to its rotary system.

Accessories and spare parts

1. USB Super Cable 3.0
Cat. 90001960
2. Verification disk for Halos
Cat. 900011876
3. Verification disk for Colonies
Cat. 90004113
4. Calibration disk
Cat. 900010081
5. Pattern for 6 halos (10 units)
Cat. 90002131
6. Pattern for 4 halos (10 units)
Cat. 90002132
7. Centering device ~87-91 mm ø
Cat. 900013473
8. Centering device 65-70 mm ø
Cat. 900013513
9. Centering device 54-60 mm ø
Cat. 900013512
10. COMPACT DRY Adapter
Cat. 900013524
11. PETRIFILM™ Adapter
Cat. 900013525
12. MC-MEDIA PAD Adapter
Cat. 900013537

Ordering Information

1. SphereFlash®
(Colonies LITE software + 1000 Images SphereFlash® AI included)
Cat. 90007000
2. Colonies PRO software
Cat. 90007001
3. Halos PRO software
Cat. 90007002
4. SphereFlash® AI Colony Counting Software
 - a. (1000 Cloud results storage)
Cat. 90007009
 - b. (10000 images per year)
Cat. 90007010
 - c. (50000 images per year)
Cat. 90007011
 - d. (200000 images per year)
Cat. 90007012



For more information about **SphereFlash®**, scan the QR code

For more information visit us at:

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