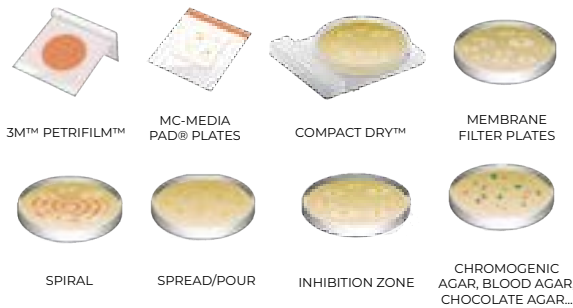# SphereFlash®
Automatic Colony Counter

Pharmaceutical | Food & Beverage | Environment | Cosmetics

◣ Product Overview

The SphereFlash® is an Automatic Colony Counter that meets all the requirements of modern microbiology laboratories while **increasing their throughput.**

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

3M™ PETRIFILM™

MC-MEDIA PAD® PLATES

COMPACT DRY™

MEMBRANE FILTER PLATES

SPIRAL

SPREAD/POUR

INHIBITION ZONE

CHROMOGENIC AGAR, BLOOD AGAR, CHOCOLATE AGAR…

Patented spherical chamber

◣ Main benefits

Utmost accuracy

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

Compatible with SphereFlash® AI

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

Audit Trail & User Management

SphereFlash® AI, Colonies PRO and 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 that 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.

Wide range of colony counting

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

High resolution

SphereFlash® is capable of detecting colonies of 0.3 mm using Colonies LITE Software and 0.046 mm using Sphere-Flash® AI and Colonies PRO Softwares.

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◤ Softwares

NEW!

SphereFlash® AI
Colony Counting Software*

Cat. 90007003 (Image pack)
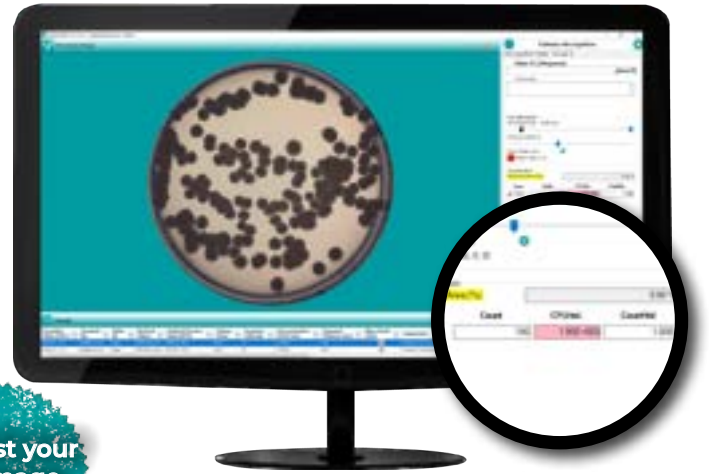*Cat. 90007004 (Storage pack)*

ARTIFICIAL INTELLIGENCE-POWERED SOFTWARE

AI-based software that achieves **colony counts** with exceptional accuracy in just **one click.**

Capture the image and count the colonies instantly, with **no adjustments needed.**

Yearly subscription license
*Requires internet connectivity

Request your 100-image FREE TRIAL

As we understand that resources are limited we designed the SphereFlash® with a small footprint and scalable software. Use only the features you need and add new capabilities as your lab work requires with our **desktop-based** softwares.

INCLUDED

Colonies LITE

Included with SphereFlash®
Cat. 90007000

STANDARD METHODS

- Colony counting
- Automatic Calibration & Verification
- Report Generation
- Statistical Report
- Data export in PDF & CSV
- Images export in .PNG
- Designed for 100 mm, 90 mm, 60 mm (RODAC plates) and membrane filter plates
- Accessories available for 3M™, Petrifilm™, Compact Dry™ and MC-Media Pad® plates

Colonies LITE SW included with the SphereFlash® unit Colony counter ⚙

UPGRADE 👾

Colonies PRO

Cat. 90007001

CREATE YOUR COLONY COUNTING METHODS

- Colony counting
- Automatic Calibration & Verification
- Colonies classification by color or size
- User Management
- Audit Trail available
- CFR21 Part 11 - Compliant
- LIMS Interface
- Report Generation
- Statistical report
- Data export in PDF & CSV
- Images export in .PNG
- Logo customization on the report
- Designed for 90 mm, 60 mm (RODAC plates) and membrane filter plates
- Accessories available for 3M™, Petrifilm™, Compact Dry™ and MC-Media Pad® plates

One-time payment license

UPGRADE 👾

Halos PRO

Cat. 90007002

CREATE YOUR HALO MEASURING METHODS

- Inhibition Zones Measurement
- Antibiotic Potency Test according to the procedure of US Pharmacopoeia
- Automatic Calibration & Verification
- User Management
- Audit Trail available
- CFR21 Part 11 - Compliant
- LIMS Interface
- Report Generation
- Data export in PDF & CSV
- Images export in .PNG
- Logo customization on the report

One-time payment license

◤ Accuracy of counting

The SphereFlash® software is designed to filter and classify colonies by colors and diameters

SphereFlash® can distinguish colonies on challenging backgrounds

SphereFlash® is able to count colonies in spiral distribution

The SphereFlash® software can distinguish overlapped colonies

◤ Workflow

1 Place the Petri Dish in the **centring device** of SphereFlash®.

2 **Choose the method** you want to apply according to your plate.

3 SphereFlash® **counts the colonies in 2 seconds.**

4 **Obtain your report** and print it in PDF.

◤ 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 both colonies and petri plates.

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

◥ Technical data and computer requirements*

Dimensions	288x220x371mm (1.34x8.66x14.6 in)
Weight	5,5Kg (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

Software specifications	SphereFlash® AI Colony Counting Software	Colonies LITE Colonies PRO Halos PRO
Internet connection	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

Eddy Jet 2W standardizes and streamlines plate inoculations with its patented cross-contamination-free technology.

Spin Air - Air Sampler

With its rotatory system, microorganisms stay on the plate in spiral homogeneously distributed in the Petri dish.

◥ Accessories and spare parts

1. USB Super Cable 3.0
   Cat. 90001960
2. AC-DC Industrial Adaptor 12V
   Cat. 90004013
3. Verification disk for Halos
   Cat. 900011876
4. Verification disk for Colonies
   Cat. 90004113
5. Calibration disk
   Cat. 900010081
6. Pattern for 6 halos (10 units)
   Cat. 90002131
7. Pattern for 4 halos (10 units)
   Cat. 90002132

8. Centering device ~87-91 mm ø
   Cat. 900013473
9. Centering device 65-70 mm ø
   Cat. 900013513
10. Centering device 54-60 mm ø
    Cat. 900013512
11. Compact Dry™ adapter
    Cat. 900013524
12. Petrifilm™ adapter
    Cat. 900013525
13. MC-MEDIA® adapter
    Cat. 900013537

◥ Ordering Information

1. SphereFlash® - Colony Counter unit
   (includes Colonies LITE software)
   Cat. 90007000
2. Colonies PRO software
   Cat. 90007001
3. Halos PRO software
   Cat. 90007002
4. SphereFlash® AI Colony Counting Software
   Cat. 90007003 (Image pack)
   Cat. 90007004 (Storage pack)

AENOR
GESTIÓN DE LA CALIDAD
ISO 9001

IQNET
RECOGNIZED CERTIFICATION

For more information about SphereFlash®, scan the QR code

For more information visit us at:

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