

## Scan® 3000 Ai

Ai Automatic colony counter

Inhibition zone reader

Ref. 434 300



### Certification:



### Integrated database:



### Traceability and high technology:



### Manufacture:



Scan® 3000 Ai is an automatic, high-resolution color colony counter, suitable for all sizes of Petri dishes (up to Ø 90 mm) and all culture media. Its indirect lighting system ensures ease of use, high precision and excellent reproducibility. The power of Artificial Intelligence boosts Petri dishes analyses with unrivalled speed and precision.

Scan® 3000 Ai is also an ultra-HD inhibition zone reader, designed for the pharmaceutical, medical research and animal health industries.

### OVERVIEW

- Painted stainless steel shell
- LIMS/SIL connection
- USB connection
- Compatible with dataLink / dataLink pro traceability system
- Counting on pour, surface, Spiral and circle plated Petri dishes
- Counting on chromogenic dishes
- Counting on Petrifilm™, Compact Dry™, MC-Media Pads™, EasyPlate™, filtration membranes
- Automatic counting
- inhibition zones reading
- Counting on 100% of the Petri dish
- AI-powered colony counting

### COUNTING

- Counting: automatic with manual control (add or remove colonies)
- Automatic separation of clustered colonies
- Creation of polygonal exclusion zones
- Classification of bacteria, yeasts and molds
- Counting time up to 1000 colonies per second
- Minimal size of colony: 0.03 mm

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## READING INHIBITION ZONES

- Antibiotic disc detection: Automatic, with possibility to add or remove manually antibiotics
- Automatic detection of antibiogram support: Discs (several brands simultaneously), wells, peni-cylinder (steel, plastic)
- Display resolution:  $\pm 0.1$  mm
- Inhibition zone measurement accuracy:  $\pm 0.2$  mm
- Number of antibiotic paper disks: up to 7 antibiotics on a  $\varnothing 90$  mm Petri dish
- Reading time: 7 inhibition zone reading between 1 and 3 s
- Interpretation system: CA-SFM Human Health / EUCAST / CA-SFM Veterinary / CLSI (Clinical, Laboratory Standards Institute) / Customizable list

## TRACEABILITY

- USB Data export: SCA recountable session, PDF report, JPG, PNG and BMP images, Excel™-compatible CSV text.
- Data security: Modified data traceability in conformity with 21CFR Part 11
- Results/traceability: image / sample number & antibiotic name / bacterium name / diameter read / SIR-categorized result with color code / minimum and maximum critical diameter / comments / date / time

## SPECIFICATIONS

- Ultra HD CMOS color camera
- HD Japanese lens
- Zoom x 69
- Resolution (megapixels): 5
- White LED lighting technology: White LED Dome indirect lighting
- LED lighting system: automatic with 7 combinations, top and/or bottom light, black or white background
- Petri dish size:  $\varnothing 55$  to  $\varnothing 90$  mm
- Color detection: 4 colors on the same dish + 2 colors to exclude
- Languages: English, French, Japanese, Chinese, Russian, Spanish, German
- Supply voltage and frequency: 100-240 V~ 50-60 Hz
- Fuses: T2,15A L 250V 5x20mm
- Max. power: 70 W
- Machine protection marking: IP00
- Warranty: 3 years (after recording the warranty card)
- Spare parts availability: 10 years
- In compliance with 21 CFR part 11, ISO 7218 and AOAC 977.27

## PC MINIMUM REQUIREMENTS

- Operating system: Windows™ 10 or 11 (or higher)
- Processor: Intel i7, 2.8 GHz or higher (i9 or xeon gold)
- Graphic card: Nvidia RTX 3060 or 4050 (or higher, Nvidia brand only)
- RAM: minimum 16 GB required for use of Scan®
- Features: 1 free USB 3.0 port
- Screen: 1920 x 1080 pixels (or higher)

## WEIGHTS & DIMENSIONS

Dimensions (W x D x H): Scan	32 x 32 x 44 cm
Net weight: Scan	11.5 kg
Gross weight: Scan	17.5 kg
Box (W x D x H)	60 x 50 x 55 cm

**DELIVERED WITH**

- 1 x 15 V power cord
- 1 USB cable
- 3 validation plates
- 1 user manual
- 1 certificate of conformity / warranty card

**MANUFACTURED UNDER**

- CE, UKCA, ROHS, WEEE certification
- Designed and Made in France
- GLP-compliant use (Good Laboratory Practice)

**OPTIONS / ACCESSORIES**

- Ref. 435 702     Optical cleaner + wipes
- Ref. 522 000     Barcode reader