

Scan® 5000 Ai

Automatic colony counter Ai

Inhibition zone reader

Ref. 434 500



Certification:



Integrated database:



Traceability and high technology:



Manufacture:



Scan® 5000 Ai is an automatic colony counter, suitable for all Petri dishes and 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® 5000 Ai is also an inhibition zone ultra HD reader, designed for the pharmaceutical, medical research and animal health industries. Scan® 5000 Ai is compatible with 120 mm square and round plates up to Ø 150 mm.

OVERVIEW

- Painted stainless steel shell
- LIMS/SIL connection
- USB connection
- Available with dataLink / dataLink pro traceability system
- Counting on pour, surface, Spiral and circular plated Petri dishes
- Counting on chromogenic dishes
- Counting on Petrifilm™, Compact Dry™, MC-Media Pads™, EasyPlate™, filtration membranes
- Automatic counting
- Inhibition zone reading
- Counting on 100% of the Petri dish
- AI-powered colony counting
- Automatic detection of Petri dishes
- Counting on Petri dishes up to Ø 150 mm

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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

READING INHIBITION ZONES

- Antibiotic disc detection: Automatic, with manual option to add or remove antibiotics
- Automatic detection of antibiogram support: Disks (several brands simultaneously), wells, peni-cylinder (steel, plastic)
- Display resolution: ± 0.1 mm
- Accuracy of antibiogram measurement: ± 0.1 mm
- Number of antibiotic paper disks: up to 16 antibiotics on a 120 mm square Petri dish
- Reading time: 16 inhibition zone reading between 2 and 4 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): 12.2
- 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 dishes: Ø 55 to Ø 150 mm and 120 mm square Petri dishes
- 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: T3.15 A L 250 V 5x20 mm
- Max. power: 140 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)
- Graphics card: Nvidia RTX 3060 or 4050 (or higher, Nvidia brand only)
- RAM: minimum 16 GB for use of Scan®
- Features: 1 free USB 3.0 port
- Screen: 1920 x 1080 pixels (or higher)

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WEIGHTS & DIMENSIONS

Dimensions (W x D x H): Scan	46.4 x 46.4 x 63.1 cm
Net weight: Scan	25.15 kg
Gross weight: Scan	32.50 kg
Box (W x D x H)	80 x 60 x 63 cm

DELIVERED WITH

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

MANUFACTURING

- 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

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