

Scan 3000 Ai

Ai Automatic colony counter

Inhibition zone reader

Ref. 434 300 (colony counter) - Ref. 834 300 (software - perpetual license)



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
- Available 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 Pad™, EasyPlate™, filtration membranes
- Counting on Milliflex Oasis™, BioCapt™, Hycon™ contact slides, Envirocheck™ dip slide
- 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

INHIBITION ZONES READING

- Antibiotic disc detection: Automatic with possibility to manually add or remove
- Automatic detection of antibiogram support: Discs (several brands simultaneously), wells
- Display resolution: ± 0.1 mm
- Inhibition zone measurement accuracy: ± 0.2 mm
- Number of antibiotic paper disks: up to 7 antibiotics on a Ø 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

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: Ø 55 to Ø 90 mm
- Color detection: 4 colors on the same dish + 2 colors to exclude
- Supply voltage and frequency: 100-240 V~ 50-60 Hz
- Fuses: T2,15A L 250V 5x20mm
- Max. power: 70 W
- International 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

SOFTWARE

- Languages: English, French, Japanese, Chinese, Russian, Spanish, German
- License type: Perpetual (ref. 834 300)
- Software updates: 3 years excluding qualification (after recording the warranty)
- User account management: local or LDAP

TRACEABILITY

- USB Data export: Recountable session, Excel™, PDF report, jpg, png and bmp images
- Data security: Modified data traceability in conformity with 21CFR Part 11
- Results/traceability: Image / sample number / comments / date / time / antibiotic name / bacterial name / measured diameter / result categorized according to standards / minimum and maximum critical diameter

PC MINIMUM REQUIREMENTS

- Operating system: Windows™ 10 or 11
- Processor: Intel i7, 13th or 14th generation minimum
- Graphic card: Nvidia RTX 3060 or 4050 (or higher, Nvidia brand only)
- RAM: minimum 16 GB required for use of Scan
- Features: Free USB 3.0 port
- Screen: 1920 x 1080 pixels (or higher)

interscience

WEIGHTS & DIMENSIONS

Dimensions (w x d x h):	32 x 32 x 44 cm
Net weight:	11.50 kg
Gross weight:	17.50 kg
Box (w x d x h)	60 x 50 x 55 cm

DELIVERED WITH

- 1 power supply
- 1 USB cable
- 3 validation plates
- 1 user manual
- 1 conformity certificate / warranty card

Attention: the software must be ordered separately (Ref. 834 300)

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:** Optical cleaner and 50 wipes
- Ref. 437 006 **Validation plates for counter and reader:**
Set of 3 validation plates (diameter, colony and antibiogram) - Compatible with Scan 500, 1200, 3000 Ai and 5000 Ai
- Ref. 437 007 **Certified validation plates for counter and reader:**
Set of 3 validation plates (diameter, colony and antibiogram) with certificate - Compatible with Scan 500, 1200, 3000 Ai and 5000 Ai
- Ref. 522 000 **Barcode reader:** Barcode reader (1D / 2D)