

## Scan 5000 Ai

Automatic colony counter Ai

Inhibition zone reader

Ref. 434 500 (colony counter) - Ref. 834 500 (software - perpetual license)



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

## 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 ZONE READING

- Antibiotic disc detection: Automatic, with manual option to add or remove antibiotics
- Automatic detection of antibiogram support: Disks (several brands simultaneously), wells
- Display resolution:  $\pm 0.1$  mm
- Accuracy of antibiogram measurement:  $\pm 0.1$  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

## 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
- Supply voltage and frequency: 100-240 V~ 50-60 Hz
- Fuses: T3.15 A L 250 V 5x20 mm
- Max. power: 140 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. 834 500)
- 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
- Graphics card: Nvidia RTX 3060 or 4050 (or higher, Nvidia brand only)
- RAM: minimum 16 GB for use of Scan
- Features: Free USB 3.0 port

2 / 3

FT\_005003\_Scan5000AI\_EN\_01\_04 Information and photos are not contractual. INTERSCIENCE reserves the right to change or improve product specifications without notice. Please visit [www.interscience.com](http://www.interscience.com) for more information. RCS 950 356 220 Versailles. INTERSCIENCE SARL F78860

interscience in the world

PARIS

Phone: +33 1 34 62 62 61

[info@interscience.com](mailto:info@interscience.com)

FRANKFURT

Phone: +49 611 7238 7770

[sales.germany@interscience.com](mailto:sales.germany@interscience.com)

BOSTON

Phone: +1 781 937 0007

[sales.usa@intersciencelab.com](mailto:sales.usa@intersciencelab.com)

SHANGHAI

电话: +86 178 2123 6642

[sales.china@interscience.cn](mailto:sales.china@interscience.cn)

SINGAPORE

Phone: +65 6977 7232

[sales.asia@interscience.com](mailto:sales.asia@interscience.com)

TOKYO

Phone: +81 3 6712 9715

[sales.japan@interscience.com](mailto:sales.japan@interscience.com)

# interscience

- Screen: 1920 x 1080 pixels (or higher)

## WEIGHTS & DIMENSIONS

Dimensions (w x d x h):	46.4 x 46.4 x 63.1 cm
Net weight:	25.15 kg
Gross weight:	32.50 kg
Box (w x d x h)	80 x 60 x 63 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. 834 500)

## 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: 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)

3 / 3

FT\_005003\_Scan5000AI\_EN\_01\_04 Information and photos are not contractual. INTERSCIENCE reserves the right to change or improve product specifications without notice. Please visit [www.interscience.com](http://www.interscience.com) for more information. RCS 950 356 220 Versailles. INTERSCIENCE SARL F78860

## interscience in the world

### PARIS

Phone: +33 1 34 62 62 61

[info@interscience.com](mailto:info@interscience.com)

### FRANKFURT

Phone: +49 611 7238 7770

[sales.germany@interscience.com](mailto:sales.germany@interscience.com)

### BOSTON

Phone: +1 781 937 0007

[sales.usa@intersciencelab.com](mailto:sales.usa@intersciencelab.com)

### SHANGHAI

电话: +86 178 2123 6642

[sales.china@interscience.cn](mailto:sales.china@interscience.cn)

### SINGAPORE

Phone: +65 6977 7232

[sales.asia@interscience.com](mailto:sales.asia@interscience.com)

### TOKYO

Phone: +81 3 6712 9715

[sales.japan@interscience.com](mailto:sales.japan@interscience.com)