

## Scan 500

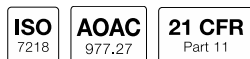
HD automatic colony counter

Inhibition zone reader

Ref. 436 000



Standards:



Integrated database:



Traceability and high technology:



Manufacture:



Scan 500 is an automatic colony counter that ensures fast and efficient counting of colonies, including on chromogenic agar. It guarantees excellent reproducibility. The images and results are saved and usable anytime. Scan 500 is also an inhibition zone reader.

### 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
- Automatic counting
- Inhibition zone reading

### COUNTING

- Counting: automatic with manual control (add or remove colonies)
- Automatic separation of clustered colonies
- Creation of polygonal exclusion zones
- Counting time: up to 1000 colonies per second
- Minimal size of colony: 0.1 mm

### INHIBITION ZONE READING

- Antibiotic disc detection: Automatic with possibility to manually add or remove
- Automatic detection of antibiogram support: Disks (several brands simultaneously), wells
- Display resolution:  $\pm 0.1$  mm
- Accuracy of antibiogram measurement:  $\pm 0.3$  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 to 3 s
- Interpretation system: CA-SFM Human Health / EUCAST / CA-SFM Veterinary / CLSI (Clinical, Laboratory Standards Institute) / Customizable list

### SPECIFICATIONS

- CMOS color camera

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- M12 lens
- Zoom x 28
- Resolution (megapixels): 1
- White LED lighting technology: Dark Field
- LED lighting system: Automatic with 6 combinations, top and/or bottom light, white or black background
- Petri dish sizes: Ø 55 mm - 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: T3.15 A L 250 V 5x20 mm
- Max. power: 20 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
- 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 i5, 13th or 14th generation minimum
- RAM: 4 GB for use of the Scan
- Features: USB port free
- Screen: 1280 X 1024 pixels or higher

## WEIGHTS & DIMENSIONS

Dimensions (w x d x h):	28.7 x 27.1 x 28.9 cm
Net weight:	8.38 kg
Gross weight:	12 kg
Box (w x d x h):	50 x 40 x 40 cm

## DELIVERED WITH

- 1 Scan software
- 1 15V power supply
- 1 power supply
- 1 USB cable
- 3 validation plates
- 1 user manual
- 1 conformity certificate / warranty card

## MANUFACTURING

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

**OPTIONS / ACCESSORIES**

- Ref. 436 005    **Adapter for Petri dish (55 mm):** Adapter for Ø 55 mm-dishes for Scan 300 / 500/ 1200
- 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)