

Scan® 500

Ref 436 000

Automatic colony counter



Standards:



Traceability and High technology:



Manufactured under:



Scan® 500 is an automatic color colony counter providing quick and efficient counting of the colonies on the most common supports. Scan® 500 guarantees an excellent reproducibility and the automatic saving of images and results.

- Counting on pour plating
- Counting on surface plating
- Counting on Spiral® plating
- Counting on circle plating
- Counting on chromogenic dishes
- Automatic separation of clustered colonies
- Creation of polygonal exclusion zones

Inhibition zone reader



Additional Standards:



Scan® 500 is an inhibition zone reader and automatic colony counter. It has been designed for the pharmaceutical industries, medical research and animal health.

- Inhibition zone reading on round dishes Ø 90 mm
- Automatic detection: paper disks (several brands simultaneously), wells, peni-cylinder (steel, plastic) with possibility to add or remove manually
- Number of antibiotic paper disks: up to 7 antibiotics on a Ø 90 mm Petri dish
- Reading time: 7 inhibition zone reading between 1 to 3 seconds
- Interpretation system: EUCAST / CA-SFM Human health / CA-SFM Veterinary / CLSI (Clinical, Laboratory Standards Institute) / customizable list
- Antibigram reading accuracy: ± 0,3 mm
- Inhibition zone measurement: automatic with manual correction ability

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TECHNICAL SPECIFICATIONS

- All stainless steel body
- CMOS color camera
- M12 lens
- Zoom x 28
- Resolution: 1 megapixel
- **Lighting technology: long-life white LEDs / Dark Field**
- **Lighting system: automatic 6 combinations, top and/or bottom light, white or black background**
- **Languages: French, English, Japanese, Chinese, Russian, Spanish, German**

- Counting time: up to 1000 colonies per second
- Minimum size of colony: 0.1 mm
- Counting: automatic with manual control
- Counting Petri dishes Ø 55 - 90 mm
- Manual control to add or subtract colonies
- **Color detection: 7 colors on the same dish + 1 color to exclude**
- **Results/traceability: image / sample number & antibiotic name / bacteria name / read diameter / result with category SIR by color code / critical diameter mini and maxi / comments / date / time**

- Data export to PDF report, jpg, png and bmp images, Excel™ recountable session
- USB connection
- **Compatible with dataLink™ or dataLink™ pro traceability system**
- **LIMS/SIL connection**
- **Data security: modified data traceability in conformity with 21 CFR part 11**

- Voltage and frequency: 100-240 V ~ 50-60 Hz
- Max power: 20 W
- Fuses: T3.15 A L 250 V 5x20 mm
- International Protection Marking: IP00
- Dimensions (w x d x h): 28.7 x 27.1 x 29 cm, weight: 8.38 kg
- Box (w x d x h): 50 x 40 x 40 cm, weight: 11 kg

- 3-year warranty after warranty card recording
- Software updates: 3-year warranty after card recording
- Manufactured under CE, UKCA, RoHS, WEEE
- Designed and made in France
- Availability of Spare parts : 10 years
- In compliance with 21 CFR part 11, ISO 7218 and AOAC 977.27

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MINIMUM COMPUTER REQUIREMENTS

- Processor: Intel i5, 2.8 GHz, quad core or higher
- Operating system: Windows™ 10 or Windows™ 11 (or higher)
- RAM: 4 Gb for the exclusive use of the Scan®
- Equipment: 4 USB ports free
- Screen resolution: 1280 x 1024 pixels or higher

DELIVERED WITH

- 1 Scan® software
- 1 15 V power cord
- 1 USB cable
- 3 validation plates
- 1 user manual

OPTIONS / ACCESSORIES

- Ref 410 100 dataLink™: traceability system for Petri dishes, from plating to counting, using label printing
- Ref 410 120 Stickers for printer: Labels roll for thermal printer - Label size: 45 x 10 mm
- Ref 410 130 Film: Thermal transfer film
- Ref 436 005 Adaptor for Petri dish (55 mm): Adaptor for Ø 55 mm-dishes on Scan® 300 / 500 / 1200
- Ref 439 050 dataLink™ pro: traceability bundle for Petri dishes, from plating to counting, using label printing
- Ref 439 051 Stickers for printer: Pack of 3 rolls of 2500 adhesive thermal transfer labels - Label size: 5 x 50 mm
- Ref 439 052 Film: Thermal transfer film
- Ref 522 000 Bar-code reader: Barcode reader