

# Scan<sup>®</sup> 100 Manual colony counter



Scan<sup>®</sup> 100 is a manual colony counter equipped with a LED lighting system and an ergonomic hand rest. The Dark Field technology provides indirect, accurate and contrasted lighting of the colonies.

Its USB port ensures traceability by exporting the results without prior software installation and with an error-free export.

## Key features

- Adjustable sensitivity of touch surface
- For all culture media: Petri dishes (ø 55, 65, 90, 150 mm), Petrifilm™, Compact Dry™...
- Multifunction digital screen
- Counting: from 0 to 1999 CFU
- USB port: easy data transfer via any software (PC/Mac)
- Dark Field technology for a contrasted view of the colonies
- Adjustable counting beeps: 4 sound levels
- Adjustable LED intensity
- Adapted to any pen
- Built-in storage rack

## Comparison of a standard lighting and the Scan<sup>®</sup> 100 lighting

### Standard neon lighting:

The light is diffused, the agar and colonies become yellowish. As a result: the contrast is imperfect.

**The colonies are difficult to count.**



### Dark Field technology:

The light is diffused, the colony is perfectly lit on a dark background. As a result: the lighting is accurate and the contrast is optimal.

**The colonies are easy to count.**



[Demo video](#)  
[www.interscience.com](http://www.interscience.com)

Magnifying lens on flexible arm in option

High technology:



Traceability:



Delivered with: quick user guide, white background plate, 90 mm Petri dish adapter, power cable, USB cable, black marker pen.

## Technical specifications

	Scan <sup>®</sup> 100
Power	100-240V~ 50-60Hz
Size (w x d x h)	25 x 33 x 17.5 cm
Weight	4.6 kg
Reference	435 000

## Options



Magnifying lens for Scan<sup>®</sup> 100  
Ref. 435 001



Spiral<sup>®</sup> counting grids: transparent and white diffusing counting grid  
3 models:  
Spiral DS<sup>®</sup> 90/150 mm - Ref. 435 010  
easySpiral<sup>®</sup> 90 mm - Ref. 435 030  
easySpiral<sup>®</sup> 150 mm - Ref. 435 035



Wolffhugel counting grids: Transparent and white diffusing counting grid  
Ref. 435 020

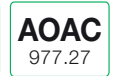
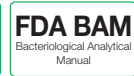


Adapter for Petrifilm™, Sanita-kun™/ Compact dry™:  
Ref. 435 002

## Advantages

- ▶ All stainless steel, very robust
- ▶ Long lasting white LEDs, adjustable intensity
- ▶ Dark Field lighting
- ▶ Ergonomic hand rest
- ▶ Instant export of results via USB

# Scan<sup>®</sup> 300 Automatic colony counter



Scan<sup>®</sup> 300 is an automatic colony counter with the essential features to start the automatic colony counting and is specifically designed for environments of food microbiology (PCA, VRBG, MRS...).

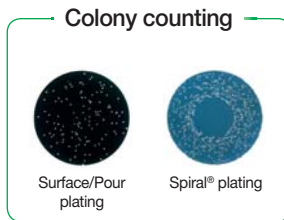
## Key features

- CMOS color camera, zoom x28, M12 lens, 1 megapixel resolution
- 6 combinations of lighting and backgrounds
- Motorized background color
- Brightness, contrast and sensitivity are automatically optimized by the software
- Minimum size of detected colony: 0.1 mm
- Automatic separation of clustered colonies
- Creation of polygonal exclusion zones
- Long lasting LED lighting
- Export of data to printed report, Excel<sup>™</sup>, PDF, jpg, png, bmp, xls, recountable session
- Software in French, English, Japanese, Chinese, Russian, Spanish, German
- Compatible with dataLink<sup>™</sup> traceability system (see p. 39 for more details)
- Integrated CFR21 part 11: encrypted audit trail, 3 user levels



[www.interscience.com](http://www.interscience.com)

Minimum size of detected colony: 0.1 mm



High technology:

Traceability:

Delivered with: Scan<sup>®</sup> software CD-ROM, power cable, 2 validation plates, user's manual.

## Technical specifications

	Scan <sup>®</sup> 300
Resolution	1 megapixel
Power	100-240 V - 50-60Hz
Size (w x d x h)	28.5 x 26.5 x 29 cm
Weight	8.4 kg
Reference	436 300

## Options



Bar-code reader  
Ref. 522 000



Adapter for 55 mm Petri dish  
Ref. 436 005



dataLink<sup>™</sup>  
Ref. 410 100

## Advantages

- ▶ Instant results
- ▶ Traceability: automatic saving of images and results
- ▶ LIMS connection and Bar-code reader
- ▶ Data export to Excel<sup>™</sup>
- ▶ Minimum size of detected colony: 0.1 mm

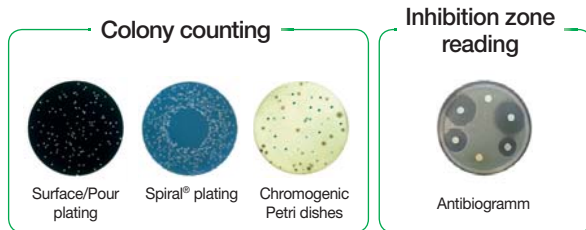
# Scan<sup>®</sup> 500 Automatic colony counter & inhibition zone reader



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

## Key features

- CMOS color camera, zoom x28, M12 lens, 1 megapixel resolution
- 6 combinations of lighting and backgrounds
- Motorized background color
- Brightness, contrast and sensitivity are automatically optimized by the software
- Minimum size of detected colony: 0.1 mm
- Automatic separation of clustered colonies
- Creation of polygonal exclusion zones
- Long lasting LED lighting
- Export of data to printed report, Excel<sup>™</sup>, PDF, jpg, png, bmp, xls, recountable session
- Software in French, English, Japanese, Chinese, Russian, Spanish, German
- Compatible with dataLink<sup>™</sup> traceability system (see p. 39 for more details)
- Integrated CFR21 part 11: encrypted audit trail, 3 user levels
- **Inhibition zone reading with EUCAST, CA-SFM, CLSI and editable database**
- **Detects and counts up to 7 colors on the same dish**



Delivered with: Scan<sup>®</sup> software CD-ROM, power cable, 3 validation plates, user's manual.

## Technical specifications

	Scan <sup>®</sup> 500
Resolution	1 megapixel
Power	100-240 V - 50-60Hz
Size (w x d x h)	28.5 x 26.5 x 29 cm
Weight	8.4 kg
Reference	436 000

## Options



Bar-code reader  
Ref. 522 000



Adapter for 55 mm Petri dish  
Ref. 436 005

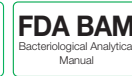


dataLink<sup>™</sup>  
Ref. 410 100

## Advantages

- ▶ Instant results
- ▶ Traceability: automatic saving of all data, images and results
- ▶ LIMS connection and bar-code reader
- ▶ Data export to Excel<sup>™</sup>
- ▶ Minimum size of detected colony: 0.1 mm

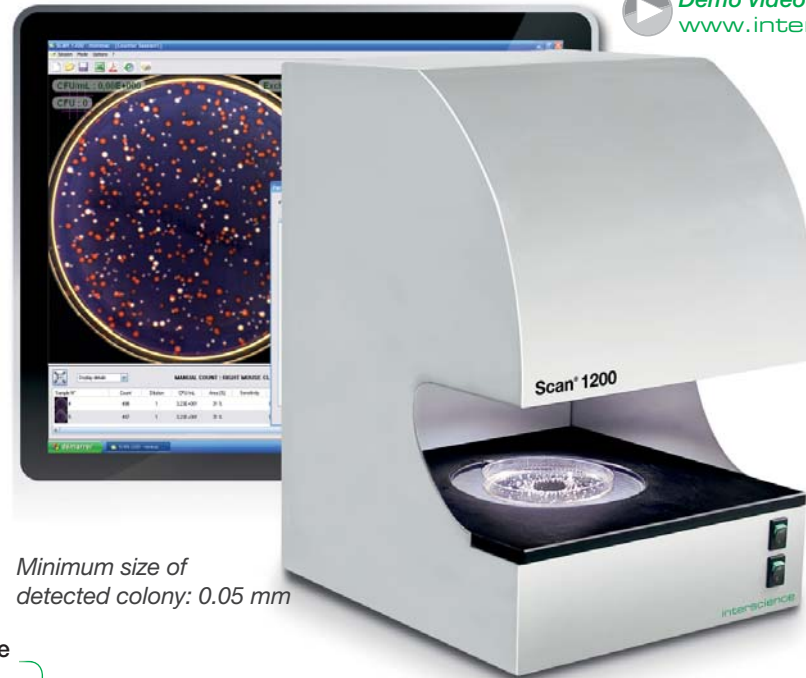
# Scan<sup>®</sup> 1200 Automatic colony counter & inhibition zone reader



Scan<sup>®</sup> 1200, high resolution automatic color colony counter, enables an adaptability to all media in labs and a great user comfort with high accuracy, an excellent reproducibility and automatic saving of images and results.

## Key features

- 6 combinations of lighting and backgrounds
- Motorized background color
- Brightness, contrast and sensitivity are automatically optimized by the software
- Automatic separation of clustered colonies
- Creation of polygonal exclusion zones
- Long lasting LED lighting
- Export of data to printed report, Excel<sup>™</sup>, PDF, jpg, png, bmp, xls, recountable session
- Software in French, English, Japanese, Chinese, Russian, Spanish, German
- Compatible with dataLink<sup>™</sup> traceability system (see p. 39 for more details)
- Inhibition zone reading with EUCAST, CA-SFM, CLSI and editable database
- Integrated CFR21 part 11: encrypted audit trail, 3 user levels
- Detects and counts up to 7 colors on the same dish + 1 color to exclude
- **Minimum size of detected colony: 0.05 mm**
- **HD color CCD camera, zoom x28, HD japanese lens, 1.2 megapixel resolution**



[Demo video](#)  
[www.interscience.com](http://www.interscience.com)

Minimum size of detected colony: 0.05 mm

### Colony counting

Surface/Pour plating   Spiral<sup>®</sup> plating   Chromogenic Petri dishes   Petrifilm<sup>™</sup>   Sanita-kun<sup>™</sup>   Compact Dry<sup>™</sup>   Filtration membrane

### Inhibition zone reading

Antibiogram

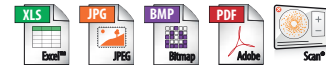
Conformity:



High technology:



Traceability:



Delivered with: Scan<sup>®</sup> software CD-ROM, power cable, 3 validation plates, user's manual.

## Technical specifications

	Scan <sup>®</sup> 1200
Resolution	1.2 megapixel
Power	100-240 V - 50-60Hz
Size (w x d x h)	28.5 x 26.5 x 37.5 cm
Weight	9.4 kg
Reference	437 000

## Options



Bar-code reader  
Ref. 522 000



Adapters - 3 models:  
Adapter for Petrifilm<sup>™</sup> - Ref. 437 002  
Adapter for Sanita-kun<sup>™</sup> - Ref. 437 001  
Adapter for Compact Dry<sup>™</sup> - Ref. 437 004



Adapter for 55 mm  
Petri dish  
Ref. 436 005



dataLink<sup>™</sup>  
Ref. 410 100

## Advantages

- ▶ Instant results
- ▶ Traceability: automatic saving of all data, images and results
- ▶ Bar-code reader and LIMS connection
- ▶ Data export to Excel<sup>™</sup>
- ▶ Minimum size of detected colony: 0.05 mm

# Scan<sup>®</sup> 4000

Unbeatable image quality



## Ultra high resolution camera

- Ultra HD 5 megapixels CCD camera
- Digital zoom x 69
- Live camera image

**NEW**

## Beam Splitter

- Avoids reflections of the camera

## Integrated CFR21 Part 11

- Electronic signatures, audit trail and securing of the results

## White LED Dome

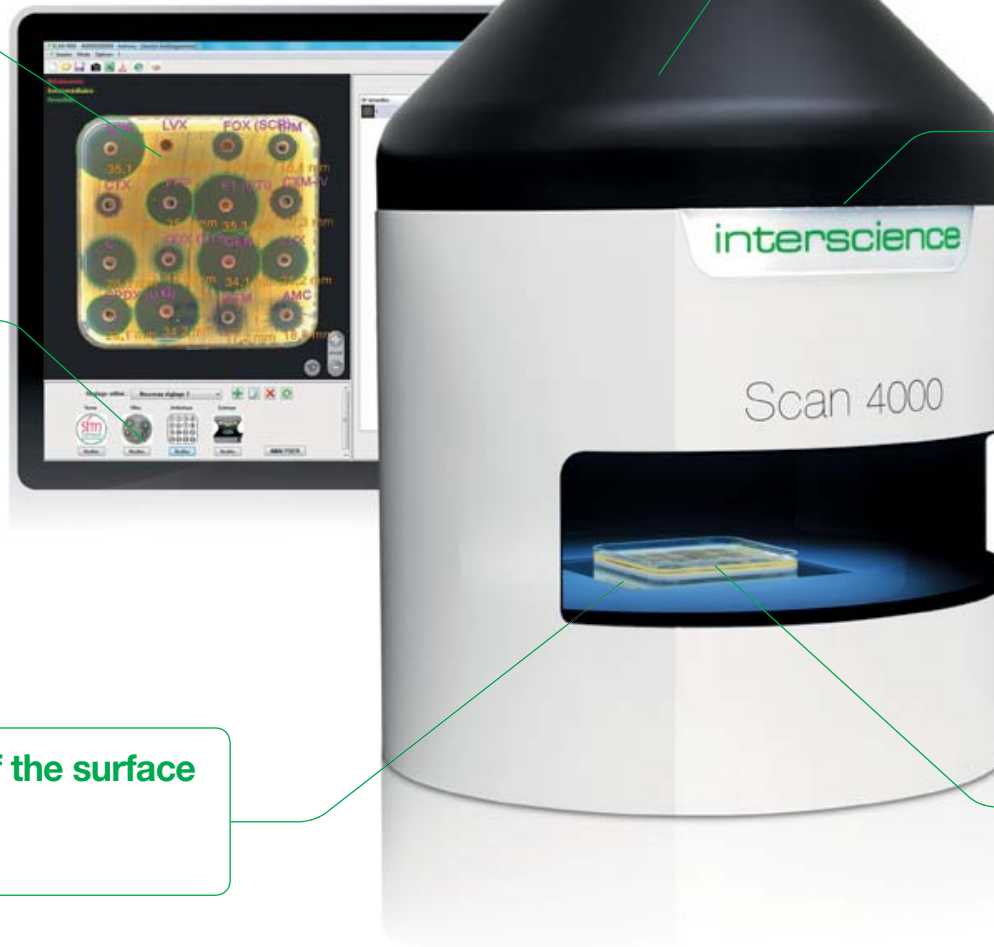
- White LED diffusing lighting without reflections or shadows

## Reading on 100 % of the surface of the Petri dish

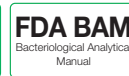
- Automatic detection and zoom

## Largest reading range on the market

- Round ø 55 to 150 mm Petri dishes
- 120 mm square Petri dishes



# Scan<sup>®</sup> 4000 Automatic colony counter & inhibition zone reader



Scan<sup>®</sup> 4000 is an ultra HD automatic colony counter and inhibition zone reader. Adapted to all sizes of Petri dishes and media, its lighting system guarantees a great user comfort, high accuracy and excellent reproducibility.

## Key features

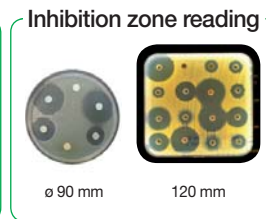
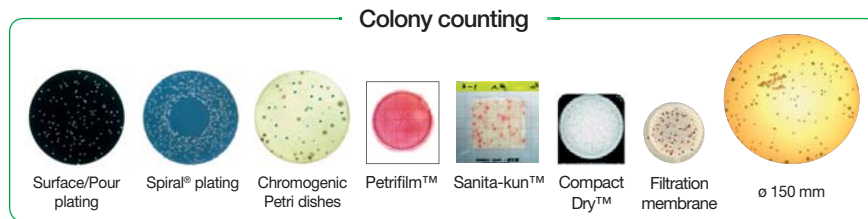
- Brightness, contrast and sensitivity are automatically optimized by the software
- Automatic separation of clustered colonies
- Creation of polygonal exclusion zones
- Export of data to printed report, Excel<sup>™</sup>, PDF, jpg, png, bmp, xls, recountable session
- Software in French, English, Japanese, Chinese, Russian, Spanish, German
- Compatible with dataLink<sup>™</sup> traceability system (see p. 39 for more details)
- Integrated CFR21 part 11: encrypted audit trail, 3 user levels
- Inhibition zone reading with EUCAST, CA-SFM, CLSI and editable database
- Detects and counts up to 7 colors on the same dish + 1 color to exclude
- Minimum size of detected colony: 0.05 mm
- **7 combinations of lighting and backgrounds**
- **Ultra HD color CCD camera, zoom x 69, ultra HD japanese lens, 5 megapixels resolution**
- **Counting on round Petri dishes from ø 55 to 150 mm and 120 mm square Petri dishes**
- **Black/white background with no moving parts**
- **White LED dome lighting: reflection and shadow free**
- **Reading on 100 % of the surface of the Petri dish**
- **Bi-directionality with SIL/LIMS**

**Demo video**  
[www.interscience.com](http://www.interscience.com)

**NEW**



Minimum size of detected colony: 0.05 mm



Delivered with: Scan<sup>®</sup> software CD-ROM, power cable, 3 validation plates, user's manual.

## Technical specifications

	Scan <sup>®</sup> 4000
Resolution	5 megapixel
Power	100-240 V - 50-60Hz
Size (w x d x h)	47 x 47 x 64 cm
Weight	25 kg
Reference	438 000

## Options



## Conformity:



## Advantages

- ▶ Ultra-HD resolution image
- ▶ 360° lighting of the dish reflection and shadow free
- ▶ Largest reading range on the market