



Software interface showing a petri dish image with green spots and a control panel with buttons: Test Count, Chromogen, Exclusion areas, Edit colonies, Restore BCP, Add to session, and Start data.

Parameters: Volume [µl], Original, Min colony size [mm], Max colony size [mm], Date and Time, Comments.

Dish type	Colony type	Dilution	Volume [µl]	Original	Min colony size [mm]	Max colony size [mm]	Date and Time	Comments
100	light	10:0	3.10E+4	0.00	0.00	1000	10.10.10	10
100	light	10:0	3.40E+3	0.00	0.00	1000	10.10.10	100
100	light	10:0	3.00E+3	0.00	0.00	1000	10.10.10	1000
100	light	10:0	3.00E+3	0.00	0.00	1000	10.10.10	10000
100	light	10:0	4.10E+3	0.00	0.00	1000	10.10.10	10
100	light	10:0	3.00E+3	0.00	0.00	1000	10.10.10	100
100	light	10:0	3.00E+3	-0.00	0.00	1000	10.10.10	20000000
100	light	10:0	3.00E+3	0.00	0.00	1000	10.10.10	100000000
100	light	10:0	4.00E+3	0.00	0.00	1000	10.10.10	10
100	light	10:0	3.10E+3	0.00	0.00	1000	10.10.10	1000000
100	light	10:0	3.00E+3	0.00	0.00	1000	10.10.10	1000000000

QUANTICA 500™

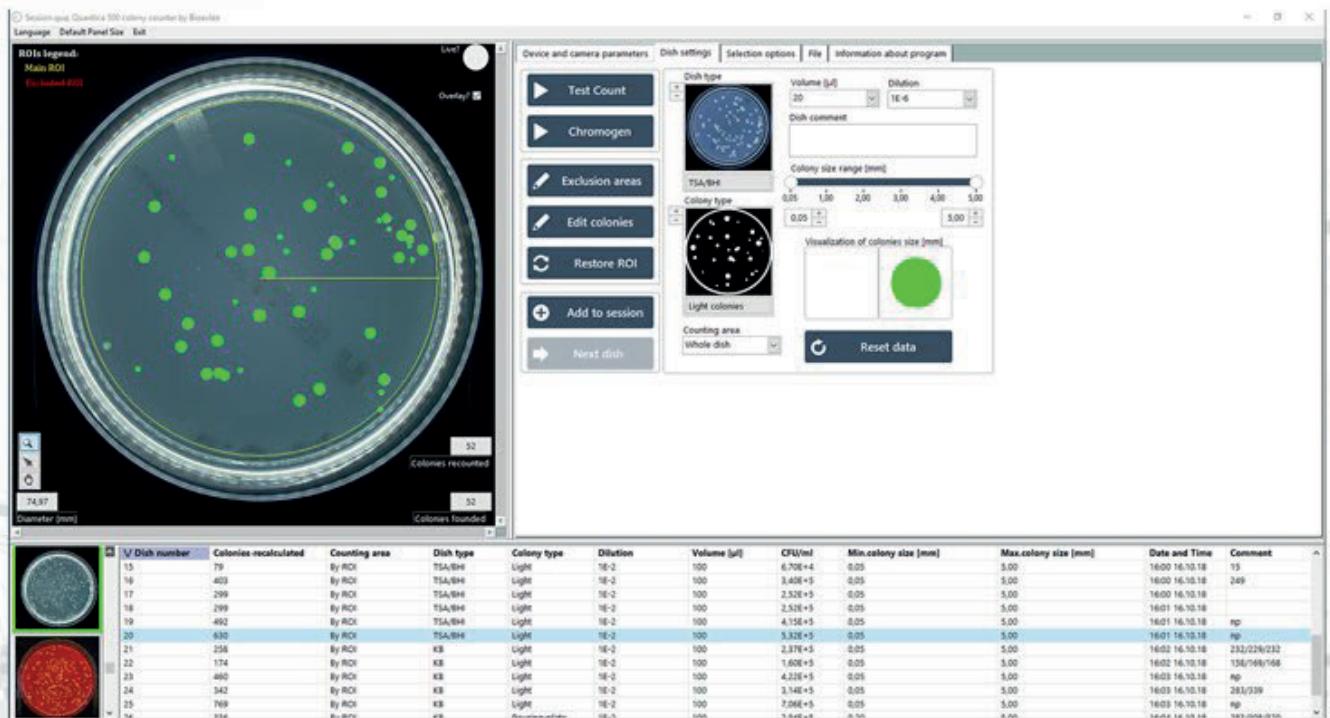
AUTOMATIC COLONY COUNTER

# QUANTICA 500™

Quantica 500™ is an automatic colony counter created for a wide range of clients.

Uniquely designed it features the highest-resolution camera among similar systems, an adaptive LED-based lighting to match different types of petri dishes, and a powerful yet user-friendly software.

Quantica 500™ automatically counts colonies of microorganisms in quantitative analysis during microbiological tests, and owing to an efficient algorithm, it correctly distinguishes and counts even merged colonies.



## Technological advantages of Quantica 500™

- Automatic separation of merged colonies (in terms of sizes and colours).
- Counting on enrichment, selective and chromogenic media.
- Manual adding and removing colonies.
- Pre-programmed settings for different types of media.
- Ability to create exclusion zones of any shape and size
- Ergonomic housing.
- User-friendly software.
- Three lighting modes (eliminating the influence of external lighting).
- Image parameters automatically optimised by the software.
- Automatic recording and printing of data, photos and results.
- Adjustment of the counting level and area.

Additionally,  
**Quantica 500+™**  
allows for:

- measuring inhibition zones (according to the EUCAST and CLSI),
- identifying antimicrobial susceptibility disks,
- scanning barcodes.



## Technical specification

Camera	5 Mpx (CMOS, zoomx64)
Camera resolution	2592x1944 px
Power input	100-240 V / 50-60 Hz
Dimensions	24x20x25 cm
Weight	2,5 kg
Minimum size of detected colony	0,05 mm
Plate size	up to 90 mm
Count speed	<0,5 sek.
Report formats	.xls, .jpeg, .png, .pdf (optional integration with the Client's internal system)
Software languages	Polish, English, German, French
Photo and results archiving	yes
Barcode scanner	yes
USB connection/cable	yes

## Minimum hardware requirements

Operating system	Windows 7
CPU	Intel atom
CPU clock speed	1,2 GHz
RAM	4 GB
Other requirements	USB 2.0 compatible USB port
Display resolution	1366x768

## Warranty

Warranty after registration	3 years
Software update after registration	3 years
Lifetime post-warranty service	paid

## Package content

- 1 device
- Software on a USB 2.0
- Connecting cables
- 2 validation plates



**Condalab**

Inspired by knowledge