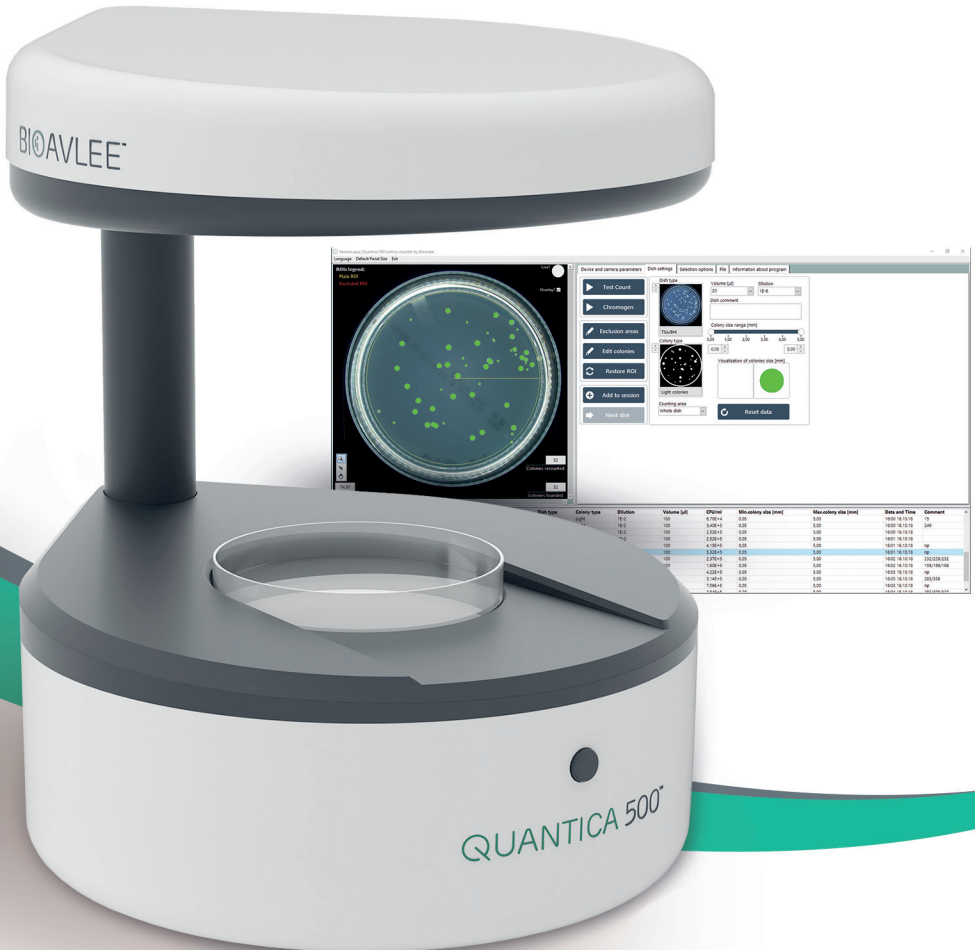


BIOAVLEE™

NEW STANDARDS
IN BIOTECHNOLOGY



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.

The screenshot displays the Quantica 500 software interface. On the left, a petri dish image shows green colonies on a blue agar. The interface includes a 'ROIs legends' panel with 'Valid ROI' (green) and 'Excluded ROI' (red). Below the image are 'Colonies recalc.' and 'Colonies counted' buttons. The main control panel on the right includes 'Test Count', 'Chromogen', 'Exclusion areas', 'Edit colonies', 'Restore ROI', 'Add to session', and 'Next dish' buttons. It also features 'Dish settings' (Dish type, Volume [µl], Dilution), 'Selection options' (TSA type, Colony type, Colony size range [mm]), and 'Information about program' (Country area, Whole dish, Reset data). At the bottom, a data table lists session details.

V	Dish number	Colonies recalculated	Counting area	Dish type	Colony type	Dilution	Volume [µl]	CFU/ml	Min. colony size [mm]	Max. colony size [mm]	Date and Time	Comment
15	79	By ROI	TSA/B6	Light	18-2	100	8.70E+4	0.05	3.00	1602.16.10.18	15	
16	403	By ROI	TSA/B6	Light	18-2	100	3.40E+5	0.05	3.00	1602.16.10.18	249	
17	289	By ROI	TSA/B6	Light	18-2	100	2.32E+5	0.05	3.00	1602.16.10.18		
18	289	By ROI	TSA/B6	Light	18-2	100	2.32E+5	0.05	3.00	1602.16.10.18		
19	482	By ROI	TSA/B6	Light	18-2	100	4.13E+5	0.05	3.00	1602.16.10.18	ep	
20	530	By ROI	TSA/H6	Light	18-2	100	3.32E+5	0.05	3.00	1602.16.10.18	ep	
21	258	By ROI	KB	Light	18-2	100	2.27E+5	0.05	3.00	1602.16.10.18	332/23/242	
22	174	By ROI	KB	Light	18-2	100	1.60E+5	0.05	3.00	1602.16.10.18	158/169/168	
23	460	By ROI	KB	Light	18-2	100	4.22E+5	0.05	3.00	1602.16.10.18	ep	
24	342	By ROI	KB	Light	18-2	100	3.14E+5	0.05	3.00	1602.16.10.18	283/339	
25	789	By ROI	KB	Light	18-2	100	7.06E+5	0.05	3.00	1602.16.10.18	ep	
26	374	By ROI	KB	Light	18-2	100	3.49E+5	0.05	3.00	1602.16.10.18	183.169/168	

Technological advantages of Quantica 500™

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

Interested?

Visit our website www.bioavlee.com
or contact us via an email:
contact@bioavlee.com

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