

Biochemistry Analyser and Cell Counter

On-Board Dilution up to 1:10
Vibration & Shock Resistant
Low Sample Volume – 100 μ L
Duplicate Measurement
Re-Run Option



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4Bio CellCountPro

The New Golden Standard

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4BioCell would like to introduce you to our newest development. This system is the first fully-automated cell counter with unique advantages compared with other devices on the market.

The 4BioCellCountPro is combining the long-known, reliable and well-established trypan blue dye exclusion method with never seen before features and innovations.

Fast, precise and reliable monitoring of:

Density · Viability · Diameter

Aggregates · Compactness

Measurement

- Possibility to use alternative dye Erythrosine B
- Automatic On-Board Dilution up to 1:10 with PBS
- Up to 24 single measurements
- Duplicate measurement possible (24x2)

Technical Specs

- Vibration and shock resistant system
- Stainless steel case
- Industrial Touch PC Win10 included in device

Liquid Handling

- Low fluid consumption through little cleaning
- Backflush of Sample after each measurement
- No clogging or cross contamination
- Less waste

Maintenance

- Cleaning procedures for daily and weekly cleaning
- Backflush procedure is done by system
- Nearly maintenance-free system
- Most spare parts industrial standard made in germany
- Annual maintenance can be performed by user



Final design of the 4BioCellCountPro

Sampling

- Small Sample Volume (100 μ L for single measurements)
- Automatic Sample Pipetting reduces human error
- Online Connection to existing Remote Systems possible
- Sample Transfer and Evaluation on the System

Image Recognition

- New image recognition with mobile camera
- Image Recording while movement is possible
- Fast image capture

Software

- Intuitive, easy-to-use user interface
- Software for monitoring & evaluation on mobile phone or office workstation available
- Complete electronic documentation (pdf)
- Networkable
- Closed system - no user access to the OS
- Four-eyes principle for important settings
- Audit trail for documentation

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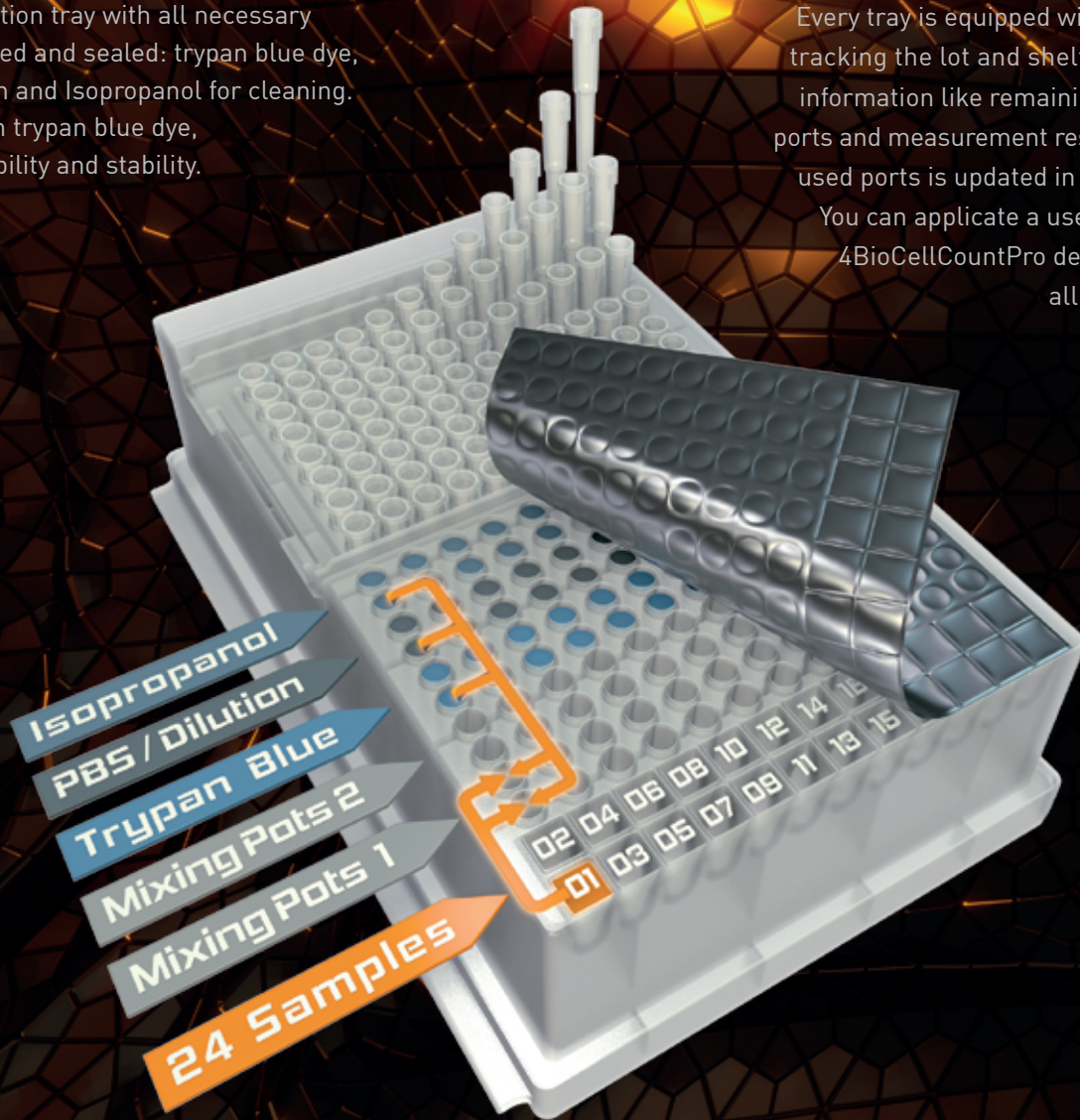
The Tray System

Consumables

All-in-one solution tray with all necessary liquids submitted and sealed: trypan blue dye, PBS for dilution and Isopropanol for cleaning. No contact with trypan blue dye, high reproducibility and stability.

RFID Tracking

Every tray is equipped with a RFID code tracking the lot and shelf-life. Relevant information like remaining free sample ports and measurement results of already used ports is updated in the RFID code. You can apply a used tray to other 4BioCellCountPro devices including all recorded data.



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Sample Type

Sample Discription

Sample Volume

Sample Time

Single

Single measurement for fast and reliable cell count determination

~ 100 μ l

~ 3 Min.

Double

Two Samples from same port are used for duplicate determination

~ 200 μ l

~ 5 Min.

Re-Run

The Sample will re-evalute automatically with adapted dilution settings


~ 200 μ l

~ 3-5 Min.

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Benefits

Device	Cedex HiRes	ViCell	ViCell Blu	Bioprofile Flex 2	4Bio  Cell CountPro
Size W x D x H in cm	41x51x47	38x45x41	42x52x45	43x64x61	45x45x45
Weight Kg	28,9	11,3	35 incl. PC	42,6 incl. PC	20 incl. PC
Sample Vol. µl	300	500	200	135 - 265	100
Sample Time Sec.	300	300	130	240	150
Conc. Max. Cells/ml	$1,0 \times 10^7$	$1,0 \times 10^7$	$1,5 \times 10^7$	$8,0 \times 10^7$	$2,0 \times 10^7$
Diameter µl	2 - 40	3 - 40	2 - 60	4 - 70	2 - 40
Dilution On-board	X	X	X	1 : 2	up to 1 : 10
Double Option	X	X	X	X	✓
Re-Run Option	X	X	X	X	✓

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Request your Demo now:

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