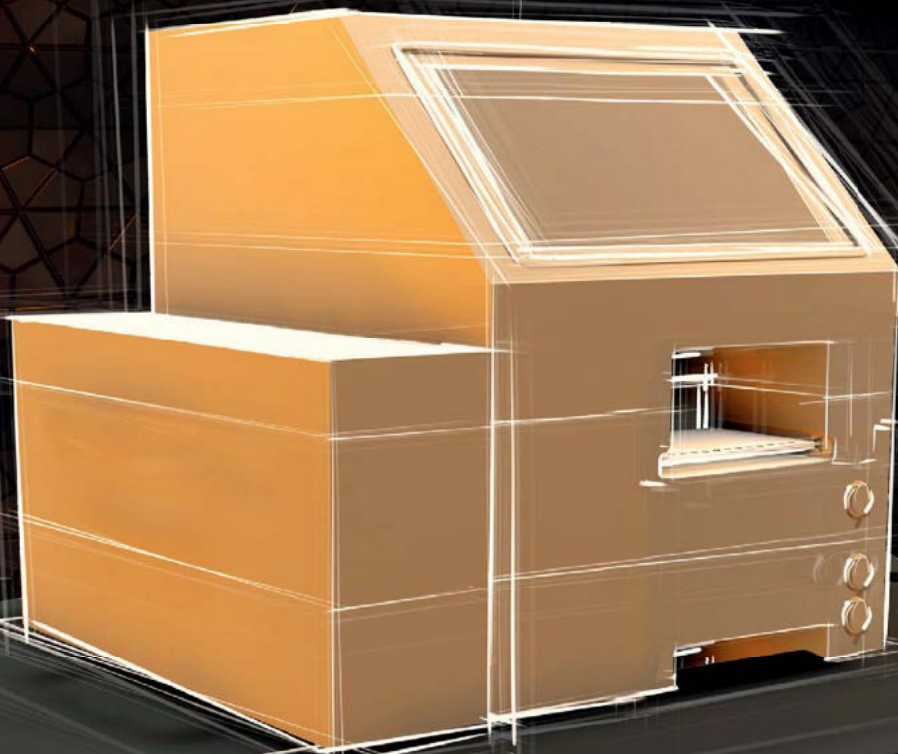


On-Board Dilution up to 1:10  
Vibration & Shock Resistant  
Low Sample Volume – 100  $\mu$ L  
Duplicate Measurement  
Re-Run Option



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# 4BioCellCount Pro

## 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 4BioCellCount Pro 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 4BioCellCount Pro

## Sampling

- Small Sample Volume (100 µL 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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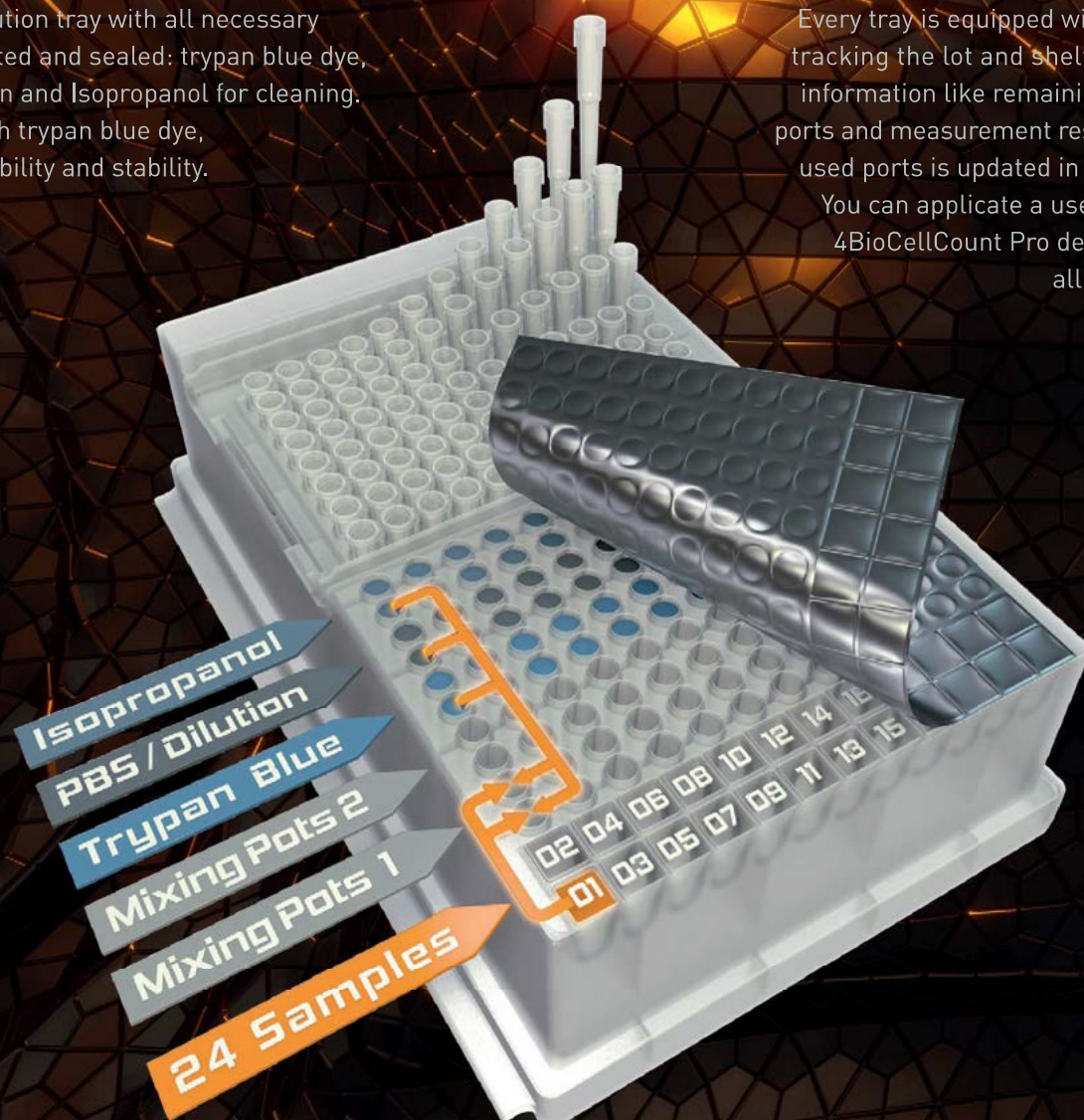
## The Tray System

### 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 applicate a used tray to other 4BioCellCount Pro 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**  $\mu$ l

< **3** Min.

**Double**

Two Samples from same port are used for duplicate determination

~ **200**  $\mu$ l

< **5** Min.

**Re-Run**

The Sample will re-evalute automatically with adapted dilution settings




~ **200**  $\mu$ l


~ **3-5** Min.

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## Benefits

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

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**Request your Demo now:**

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**4Bio  Cell**

Biochemistry Analyser and Cell Counter

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