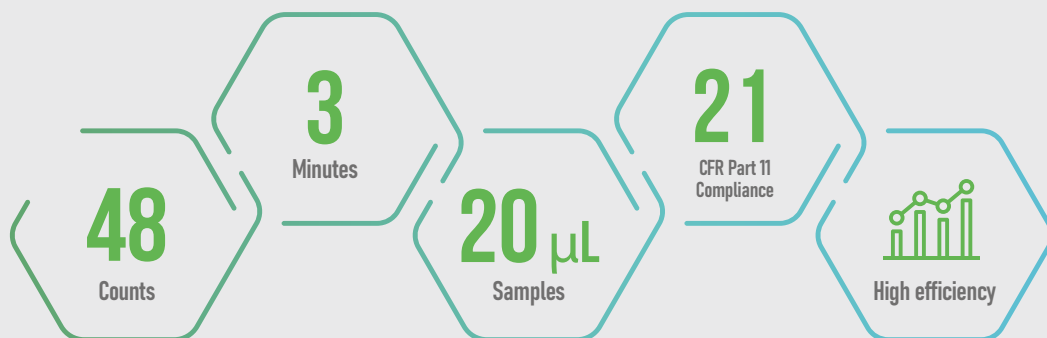


A HIGH-THROUGHPUT AUTOMATED CELL COUNTER

# EVE™ HT

AN IDEAL CELL COUNTER YOU CAN TRUST



# EVE™ HT

A HIGH-THROUGHPUT AUTOMATED CELL COUNTER

## Consistent results are essential

EVE™ HT is a high-throughput automated cell counter that can count 48 samples in just 3 minutes. EVE™ HT provides a perfect solution for cell line development and a large scale cell production.

### Simple yet Sophisticated Cell Counter

EVE™ HT offer you a better cell counting method.

#### 48 channels

##### Up to 48 samples at a time

EVE™ HT counting plate with 48 channels allows you to test up to 48 samples simultaneously.

#### 3 minutes

##### Results in no time

EVE™ HT only takes 3 minutes to test one plate with 48 samples.

#### 20 µL volume

##### Considering your valuable samples

Only 20 µL of sample volume is required for cell counts and viability.

#### High efficiency

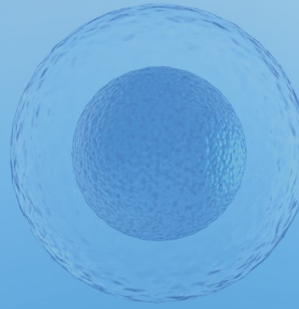
##### Run different cell lines with one plate

A highly efficient disposable counting plate allows for different cell lines analysis using the same plate and provides multi test results.



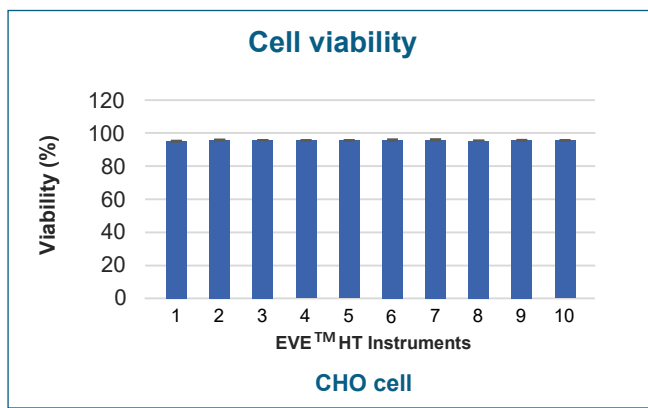
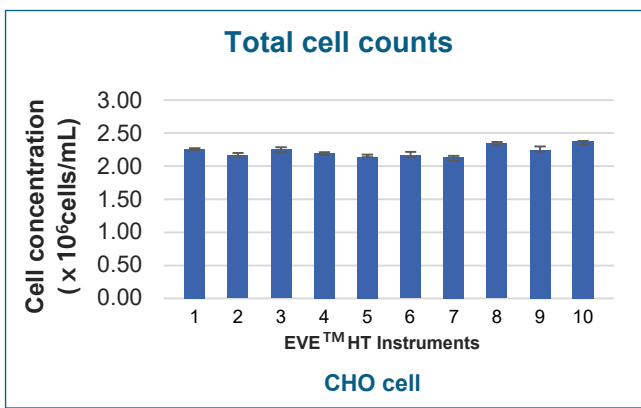
# Disposable EVE™ HT assay plate

Manufactured with high precision, EVE™ HT plate provides time-saving workflow that is easy to use.



## High multi-instrument precision for CHO cells

Multiple experiment data for total count and viability using ten EVE™ HT showed high device-to-device comparability.

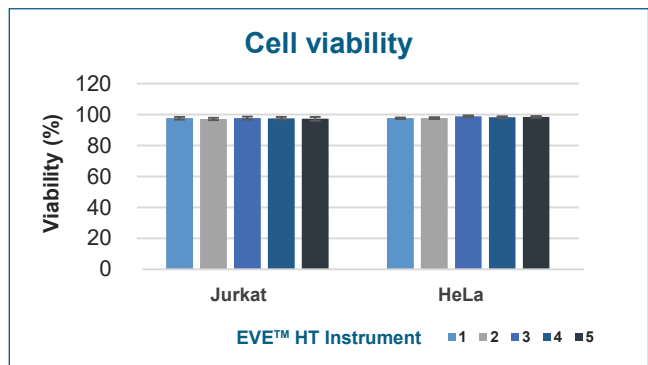
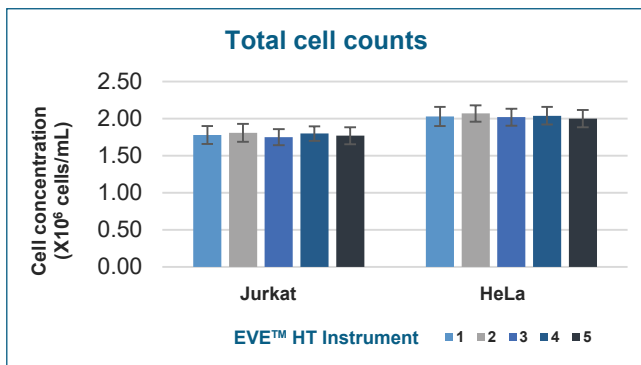


EVE™ HT precision	Cell total count (CV)	
	Average	CV
Well to well	2.18 × 10E6	4.3%
Plate to plate	2.30 × 10E6	3.5%
Instrument to instrument	2.31 × 10E6	0.5%
System-wide precision	2.27 × 10E6	7.0%

EVE™ HT precision	Viability (CV)	
	Average	CV
Well to well	97%	0.9%
Plate to plate	97%	0.3%
Instrument to instrument	96%	0.4%
System-wide precision	97%	0.9%

## Low instrument-to-instrument variability

With five EVE™ HT, consistent results have been demonstrated across different instruments.

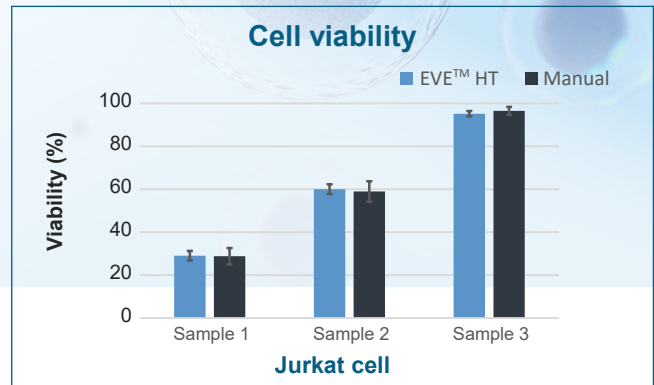
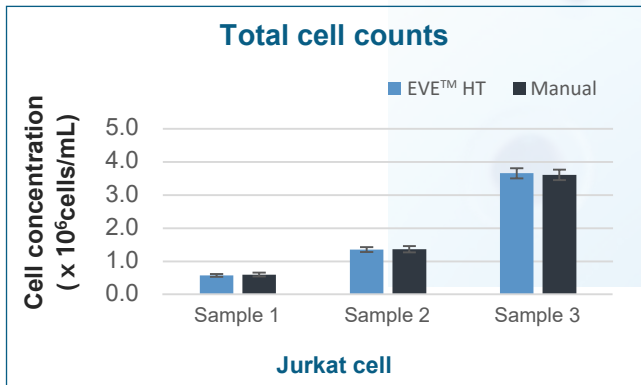


EVE™ HT precision	Cell total count (CV)	
	Jurkat	HeLa
Well to well	4.9%	4.8%
Plate to plate	2.4%	1.2%
Instrument to instrument	1.6%	1.1%
System-wide precision	6.3%	5.9%

EVE™ HT precision	Viability (CV)	
	Jurkat	HeLa
Well to well	0.7%	0.6%
Plate to plate	0.2%	0.1%
Instrument to instrument	0.4%	0.5%
System-wide precision	1.0%	0.7%

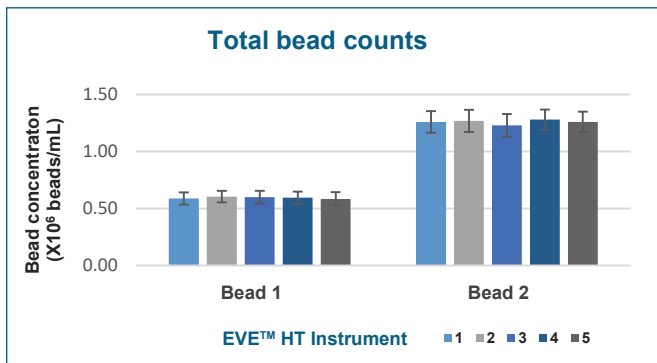
## Comparison between EVE™ HT and manual counting

Compared to traditional hemocytometer, EVE™ HT provides highly compatible results in varying concentrations and viabilities.



## High instrument-to-instrument consistency

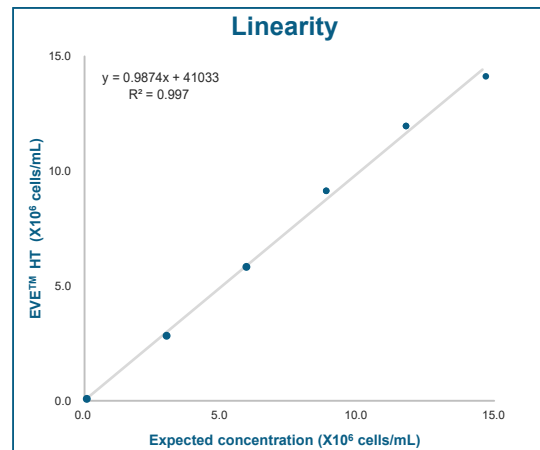
Beads solution stained with trypan blue was loaded into a total of 96 wells of two counting plates for analysis where each plate consists of 48 wells. The same sample was analyzed for comparison using a different instrument. As a result, high device-to-device comparability was shown.



EVE™ HT precision	Bead total conc. (CV)	
	5 x 10 <sup>5</sup> beads/mL	1 x 10 <sup>6</sup> beads/mL
Well to well	8.1%	6.4%
Plate to plate	0.4%	0.8%
Instrument to instrument	1.5%	1.2%
System-wide precision	9.2%	7.6%

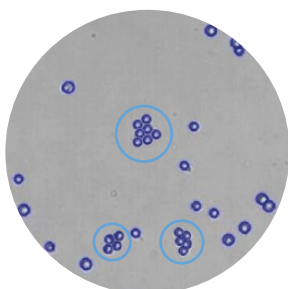
## High linearity with expected concentration

Manual counting using hemocytometer was used to compare low and high concentration within optimal range for EVE™ HT linearity test. A high linearity was shown as a result.



## Advanced counting – Declustering algorithm

Counting clumped and irregular-shaped cells with declustering algorithm is now available on EVE™ HT.

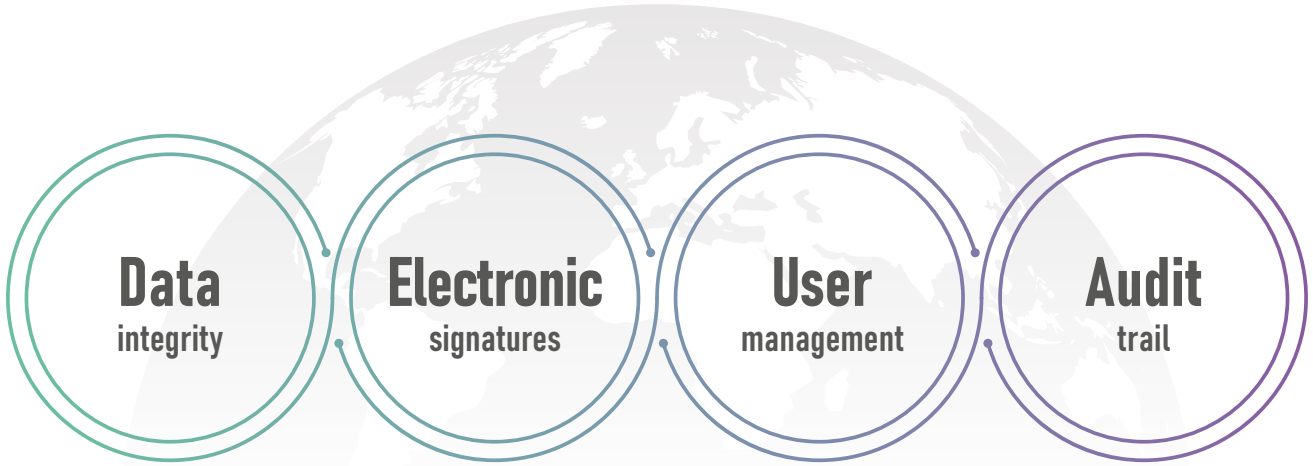


### » With EVE™ HT, you can

- Individually count cells when they are aggregated
- Count each cell based on size and shape
- Exclude debris from results

## 21 CFR Part 11 Compliance

EVE™ HT offers an optional feature to safeguard data integrity required by 21 CFR Part 11. With this feature, not only a company can easily manage users and only give authority to specific users to manage data, but also allows EVE™ HT to save every user activity and create an audit trail.



Date Time	User	Log
2022-07-12 09:52:17 AM		System Software is Initializing
2022-07-12 09:52:26 AM		[User] A user(admin_nano) attempts to log in.
2022-07-12 09:52:36 AM	admin_nano	[User] A user(admin_nano) logs in successfully.
2022-07-13 04:30:43 PM		System Software is Initializing
2022-07-13 04:30:46 PM		[User] A user(admin_nano) attempts to log in.
2022-07-13 04:30:50 PM		[User] A user(admin_nano) attempts to log in.
2022-07-13 04:30:53 PM		[User] A user(admin_nano) attempts to log in.
2022-07-13 04:30:59 PM	admin_nano	[User] A user(admin_nano) logs in successfully.
2022-07-13 04:40:28 PM	admin_nano	[User] Change the information in the [0] Name of the channel (A01) of the project(2022-07-04-1049).
2022-07-13 04:40:28 PM	admin_nano	[User] Change the information in the [1] Name of the channel (A01) of the project(2022-07-04-1049).
2022-07-13 04:40:28 PM	admin_nano	[User] Change the information in the [2] Name of the channel (A02) of the project(2022-07-04-1049).
2022-07-13 04:40:28 PM	admin_nano	[User] Change the information in the [3] Name of the channel (A03) of the project(2022-07-04-1049).
2022-07-13 04:40:28 PM	admin_nano	[User] Change the information in the [4] Name of the channel (A04) of the project(2022-07-04-1049).
2022-07-13 04:40:28 PM	admin_nano	[User] Change the information in the [5] Name of the channel (A05) of the project(2022-07-04-1049).
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2022-07-13 04:40:28 PM	admin_nano	[User] Change the information in the [20] Name of the channel (A20) of the project(2022-07-04-1049).

User Name	Access Level
admin	Admin
User1	User
User2	User
User3	User
User4	User
User5	User
User6	User

User Name: User1  
 Current Password:   
 New Password:   
 Confirm Password:   
 User Access Level: User   
 Digital Signature:

**EVE™ HT** Test report

Sign. Signature
Export user admin\_nano

Export date 2023-02-15 09:28:02

Project name:	Cell test 5
Project type:	Cell
Date & time:	2023/02/08 16:22:08
Cell type:	HELA
Group Name:	HELA
Well Name:	A01
Sample Name:	HELA(01)
Total Conc.:	1.20E+006 Cells/mL
Live Conc.:	1.08E+006 Cells/mL
Dead Conc.:	1.45E+005 Cells/mL
Viability:	87.87 %
Average cell size:	10.89 µm
Min size:	5.00 µm
Max size:	80.00 µm
Dilution factor:	1.00
Sensitivity level:	2
Correction factor:	7
Viability level:	7

Size Graph

Ver. 1.0.0.55
002
P20230215\_092802



### Ordering Information

Catalog. No.	Description
<b>EVE-HT</b>	A High-throughput automated counter, EVE™ HT
<b>EVH-020</b>	EVE™ HT Counting kit <ul style="list-style-type: none"> <li>· Counting plate (48 channels)</li> <li>· Mixing well plate (96 wells)</li> <li>· Trypan blue stain 0.4%</li> <li>· Reservoir</li> </ul>

Catalog. No.	Description
<b>EHQP-HT</b>	EVE™ HT QC plate (optional)
<b>EHPP-001</b>	EVE™ HT Preparation plate (optional)

### Specification

Item	Description
<b>Channels (optics)</b>	Bright field
<b>Staining method</b>	Trypan blue
<b>Counting Speed</b>	3 minutes (48 samples)
<b>Loading sample vol.</b>	20 µL / channel
<b>Measurement range</b>	$1 \times 10^4 \sim 1 \times 10^7$ cells/mL

Item	Description
<b>Cell size range</b>	5 ~ 80 µm
<b>21 CFR Part 11</b>	Available
<b>Operation System</b>	Windows 10 Enterprise LTSC
<b>Dimensions</b>	588 x 461 x 458 mm (W x L x H)
<b>Weight</b>	58 kg

**VOIR L'ÉQUIPEMENT**

**NanoEntek**

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FOR RESEARCH USE ONLY.

This product is not approved for diagnostic or therapeutic use.

**OZYME**  
Des femmes et des hommes  
au service de vos recherches

**NOUS CONTACTER**

Service client - commande : [commande@ozyme.fr](mailto:commande@ozyme.fr)

Service technique :

Réactifs : [tech@ozyme.fr](mailto:tech@ozyme.fr)

Instrumentation : [instrum@ozyme.fr](mailto:instrum@ozyme.fr)