

EVE™ HTA26

Fully Automated Cell Counting System



EVE™ HT A26

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EVE™ HT A26 is a fully automated cell counting system engineered to streamline sample preparation and analysis. By integrating hands-free pipetting, aliquoting, diluting, staining, and counting within a single system, it delivers high-throughput performance while reducing workflow variability and ensuring reproducible results.

Hands-Free Processing

Fully automated workflow from sample preparation to cell counting

96 Samples in 10 Minutes

Providing high-throughput capability with precise and reliable results

30 µL Sample Volume

Delivers accurate analysis with small sample volume

EVE™ HT A26 Hardware Features

After the user loads the consumables and samples on the deck, EVE™ HT A26 automatically performs the entire cell counting workflow—including aliquoting, diluting, mixing, loading, and counting.



8-channel pipette head

Automated 8-channel pipette head precisely handles reagents and cell samples with disposable tips for reliable performance.

Reservoir holder

Designed to securely hold reagent reservoirs for staining and assay preparation.

Counting plate holder

Accommodates up to two 48-channel EVE™ HT FL counting plates for high-throughput, accurate analysis.



Lift-up door

Interlocked lift-up door ensures user safety during operation and prevents external light interference while counting samples.

Pipette tip holder

Compatible with 200 µL pipette tips for seamless automated liquid handling.

Well plate holder

Holds both a 96-well sample plate and a mixing plate simultaneously to streamline workflow efficiency.



Error Rate Reduction

Automated operation minimizes human error and reduces personnel time

Auto Aliquoting & Dilution Available

Integrated aliquot and dilution operation enable for ease of use

Dual fluorescence and Brightfield Channels

AO/DAPI, Trypan blue and Erythrosin B staining compatible

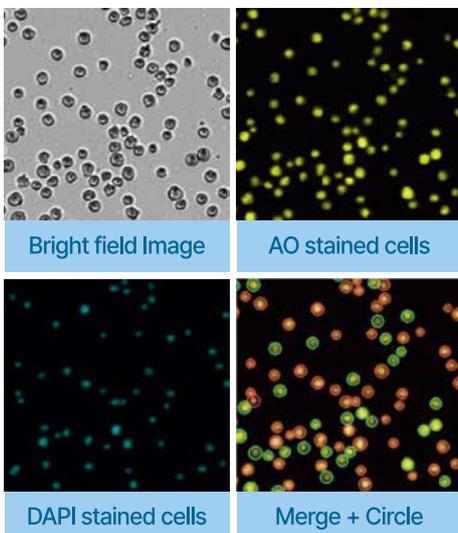
Delivers Consistent Results Across Users

Ensures reproducible performance independent of user variability

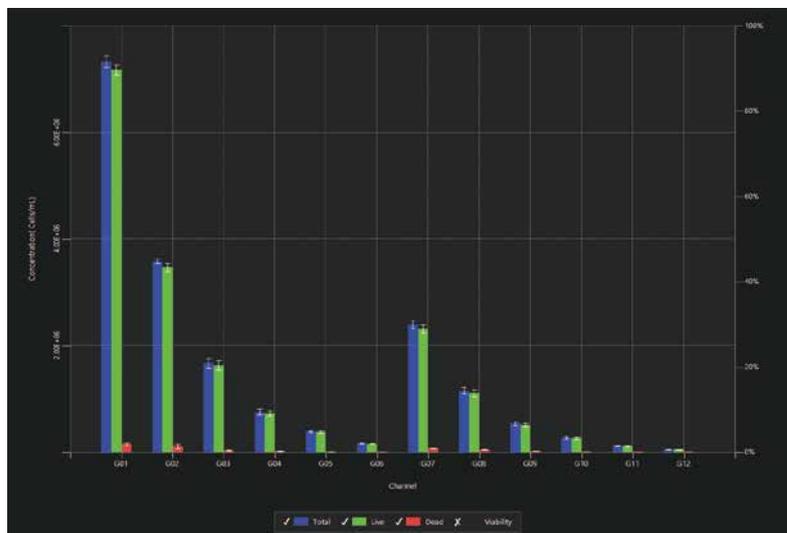
Streamline Your Workflow

Complete Automation, Confident Outcomes

Fully Automated Sample Dilution & Staining Together with the Benefits of Fluorescence-based Cell Counting



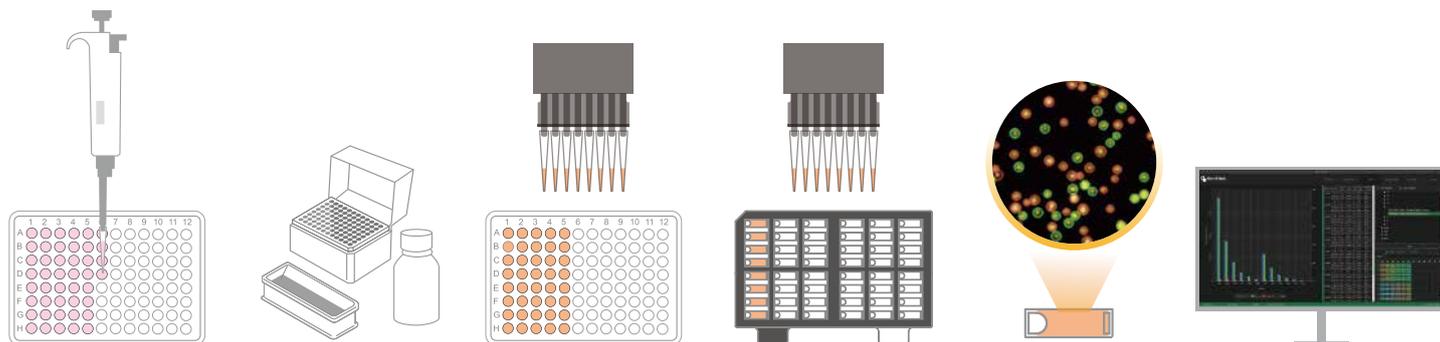
Fluorescence based method distinguishes debris and counts only nucleated cells.



Two samples were diluted by EVE™ HT A26. Cell counts decreased by roughly half at each step, confirming consistent 2-fold dilution.

EVE™ HT A26 Workflow

EVE™ HT A26 significantly reduces hands-on working time by automating both sample preparation and counting. Its fully integrated workflow minimizes manual steps, improves overall efficiency, and accelerates processing speed—enabling the system to count up to 96 samples in just 10 minutes.



Sample Plating

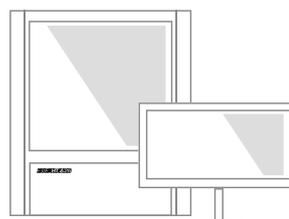
Deck Setup

Sample Staining

Sample Loading

Cell Counting

Get Results



Ordering Information

| Cat. No | Product |
|------------|--------------------------------------|
| EVE HT A26 | Fully Automated Cell Counting System |

Specifications

| | |
|--------------------------|---|
| Analysis time | 96 samples in 10 minutes |
| Sample volume | 30 µL per counts |
| Measuring range | Detectable range: 1×10^4 – 2×10^7 cells/mL Optimal range: 1×10^5 – 1×10^7 cells/mL |
| Cell size range | Detectable size : 1–85 µm Optimal size: 5–80 µm |
| Channel | Dual fluorescence (AO & DAPI), Bright field |
| Staining solution | AO/DAPI mixed solution Trypan blue stain Erythrosin B stain |

| | |
|----------------------------------|------------------------------|
| Capacity | 96 samples per run |
| Pipette head | 8-channel pipette head |
| Operation system | Windows 11 LTSC |
| Power | 100–240 VAC , 50/60Hz, 400 W |
| Dimensions | 700 × 690 × 856 mm (W×D×H) |
| Weight | 147 kg |
| 21 CFR Part 11 Compliance | Available (Optional) |



website | www.nanoentek.com
e-mail | sales@nanoentek.com

FOR RESEARCH USE ONLY.
Not for use in diagnostic procedures.

NanoEntek, Inc.

Head Office
12F, 5, Digital-ro 26-gil, Guro-gu, Seoul, 08389, Korea
Tel +82-2-6220-7940 / Fax +82-2-6220-7999

NanoEntek America, Inc.
220 Bear Hill Road, Suite 102, Waltham, MA 02451, USA
Tel +1-781-472-2558 / Fax +1-781-790-5649

NanoEntek Europe | mts med-tech supplies GmbH
Lochhamerstr. 4a, 82152 Martinsried, Germany
Tel +49-89-21-55-38-43 / Fax +49-89-99-95-46-60