

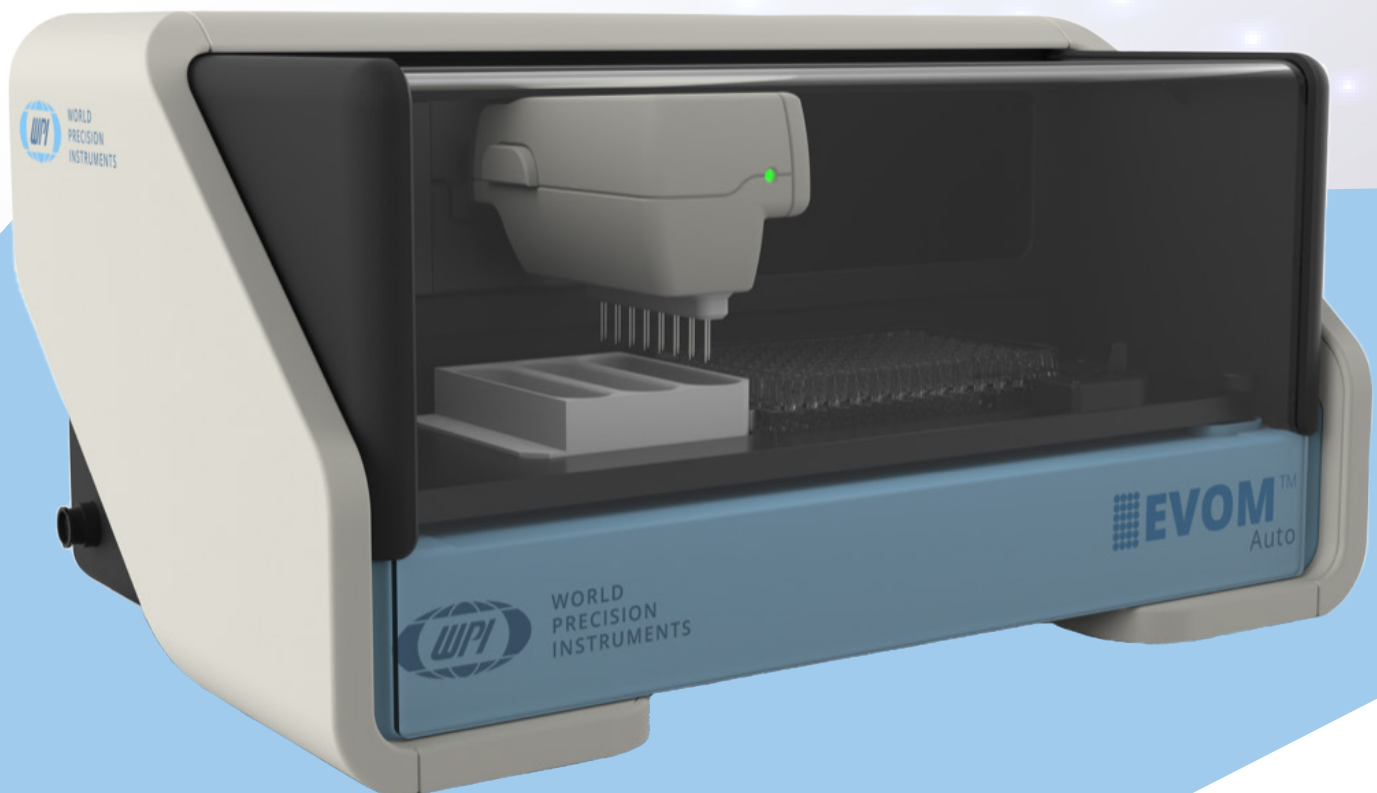


WORLD
PRECISION
INSTRUMENTS

ANIMA  LAB

EVOM™ AUTO

Accelerate Your Drug Discovery with Our **New** EVOM™ Auto
High-Throughput Screening System



Automated High Throughput TEER Measurement System

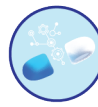
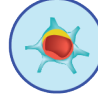



Introducing the EVOM™ Auto

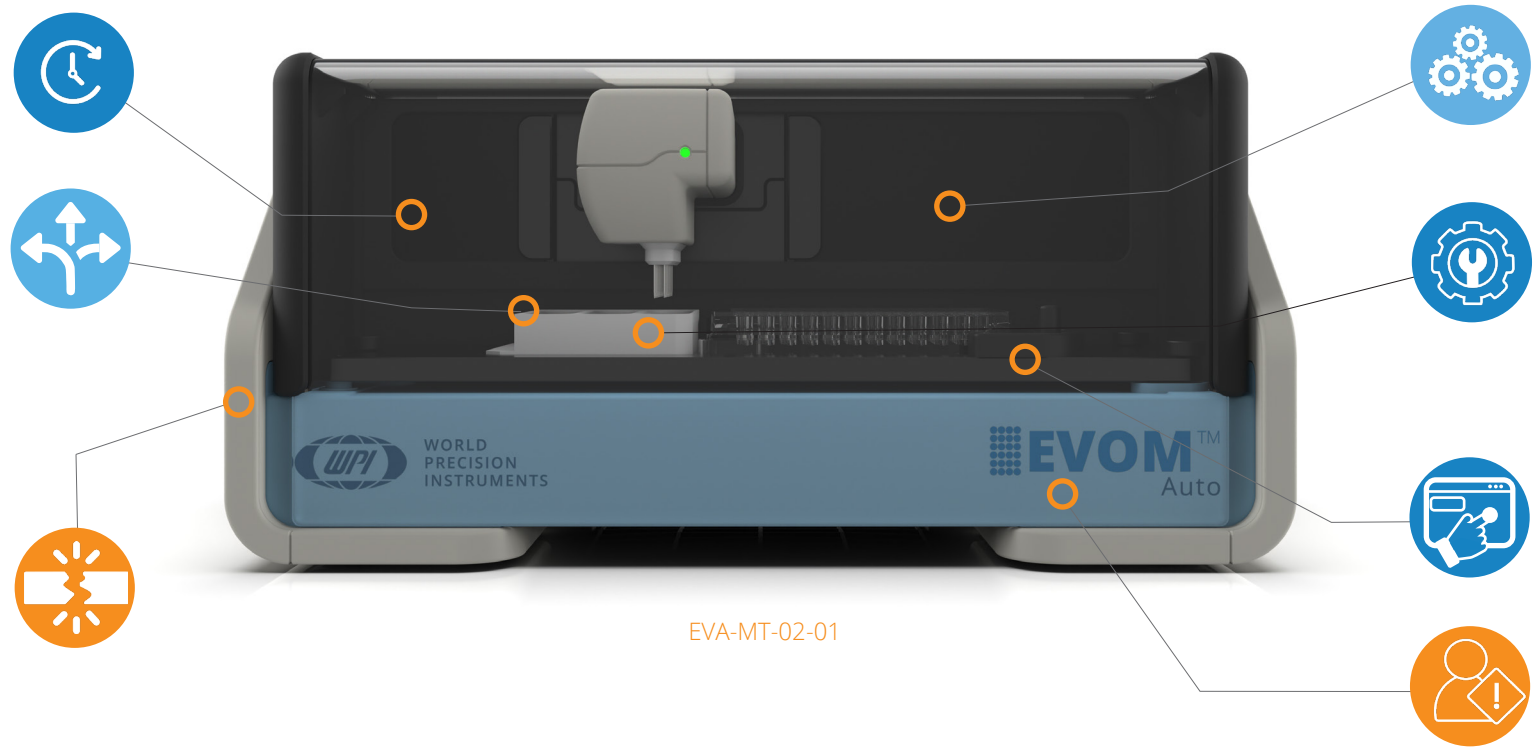
World Precision Instruments (WPI), the global leader in TEER technology, is proud to introduce the EVOM™ Auto, our newest entry into our pioneering EVOM family of products. The EVOM™ Auto automates measurements of TEER in epithelial or endothelial monolayers cultured on high throughput screening 96-well plates utilizing our innovative EVOM technology, qualitatively measuring cell monolayer health and quantitatively measuring cell confluence by determining an increase or a plateau in tissue resistance.

Automated measurement of tissue resistance in cell culture microplates provides the advantages of speed and precision, minimizes the chances of contamination, and ensures the rapid availability of measured resistance data. EVOM™ Auto produces a low AC current that avoids electrode metal deposits and is specially designed for the non-destructive, high throughput screening of epithelial monolayer confluence in cell cultures.

“
The Gold Standard:
WPI’s EVOM™ TEER
technology has been
noted in over 16,000
published,
peer-reviewed
research papers.
”

APPLICATIONS

-  Confluence of Monolayer
-  Drug Discovery
-  Blood Brain Barrier (BBB)
-  Epithelial or Endothelial Barrier
-  Intestinal Drug Absorption: Caco-2 3-D Tissue Function
-  Permeability or Transport of Ions or Drugs
-  Lung *In Vitro* Models for COVID Study



EVA-MT-02-01

SPECIFICATIONS

AutoSampler Dimensions (W×D×H)	16×10×8.4"	Number of Rinse Stations	3
AutoSampler Weight	15.5 lbs.	Electrode Array for 96 HTS Plate	Array of 8 pair of (1mm Φ) electrodes
CE Certified	Yes	Minimum Sample Reading Time	1 Second
Compatibility	Wide variety of 96-well HTS Plates	Control Device for Running Software	Tablet, Laptop, Desktop with Wi-Fi adapter
Resistance Range	10KΩ, 50KΩ, 100KΩ	Output Data	CSV/Microsoft® Excel



SAVE TIME BY AUTOMATING YOUR PROCESS AND MOVE THROUGH A PLATE QUICKLY



FLEXIBILITY TO MANAGE YOUR DATA



MINIMIZE HUMAN ERRORS



HARDWARE SETUP IS EASY AND REQUIRES NO CONFIGURATION



MINIMIZE PROBE DAMAGE AND AVOIDS COSTLY REPAIRS



WITH COMPLETE CONTROL OF THE SYSTEM, YOU CAN FINE TUNE THE PROGRAMMING AS DESIRED



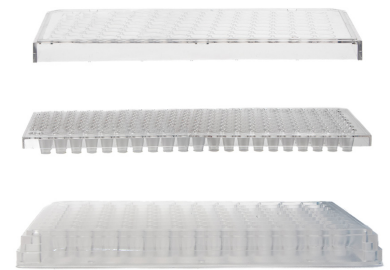
EASY-TO-NAVIGATE SYSTEM SAVES TIME WHEN CONFIGURING SEQUENCES

PERMACELL 96-WELL CELL CULTURE INSERT PLATES

PERFECT FOR DRUG DISCOVERY APPLICATIONS

PermaCell 96-well cell culture insert plates are specially designed for 3D organotypic cell culture applications. The 96-well insert plate is an array of 96 membrane-bottom wells connected in a single, rigid tray. These cell culture insert plates can be used to create three-dimensional tissue cultures pertaining to your specific research needs.

- PermaCell 96-well insert plates are advanced, sterile cell culture devices used for growth and differentiation of cells
- Plates consist of an array of 96 membrane wells connected in a single, rigid tray for easier handling and feeding and to allow for high-throughput robotic processing
- 96-well insert plate fits within a 96-well receiver plate (included) which allows for individual treatment and assaying of each well in the plate (right)
- PermaCell insert plates can be used for cell culture and cell differentiation into 2D/3D tissues, drug transport/permeability studies, and imaging studies and are easily adaptable to TEER measurements and other analytical techniques

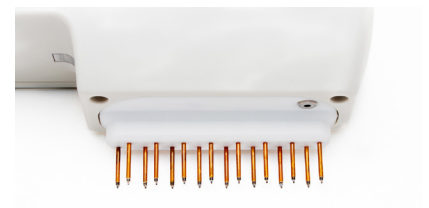
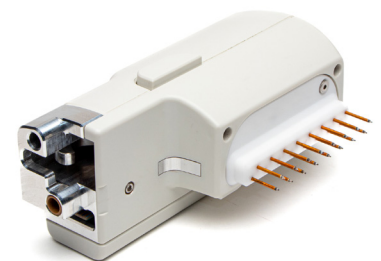


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ELECTRODE ARRAY

Measure 8 Wells Simultaneously

- Array of 8 pair of (1mm Φ) electrodes
- Specially designed electrode array fits precisely in the PermaCell 96-Well plate, ensuring consistent placement
- Perform resistance measurements directly in the PermaCell plate, common or divided, reducing the possibility of contamination and mechanical damage to your cultured cells



EVA-EL-02-01

Contact our distributor

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WORLD PRECISION INSTRUMENTS

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