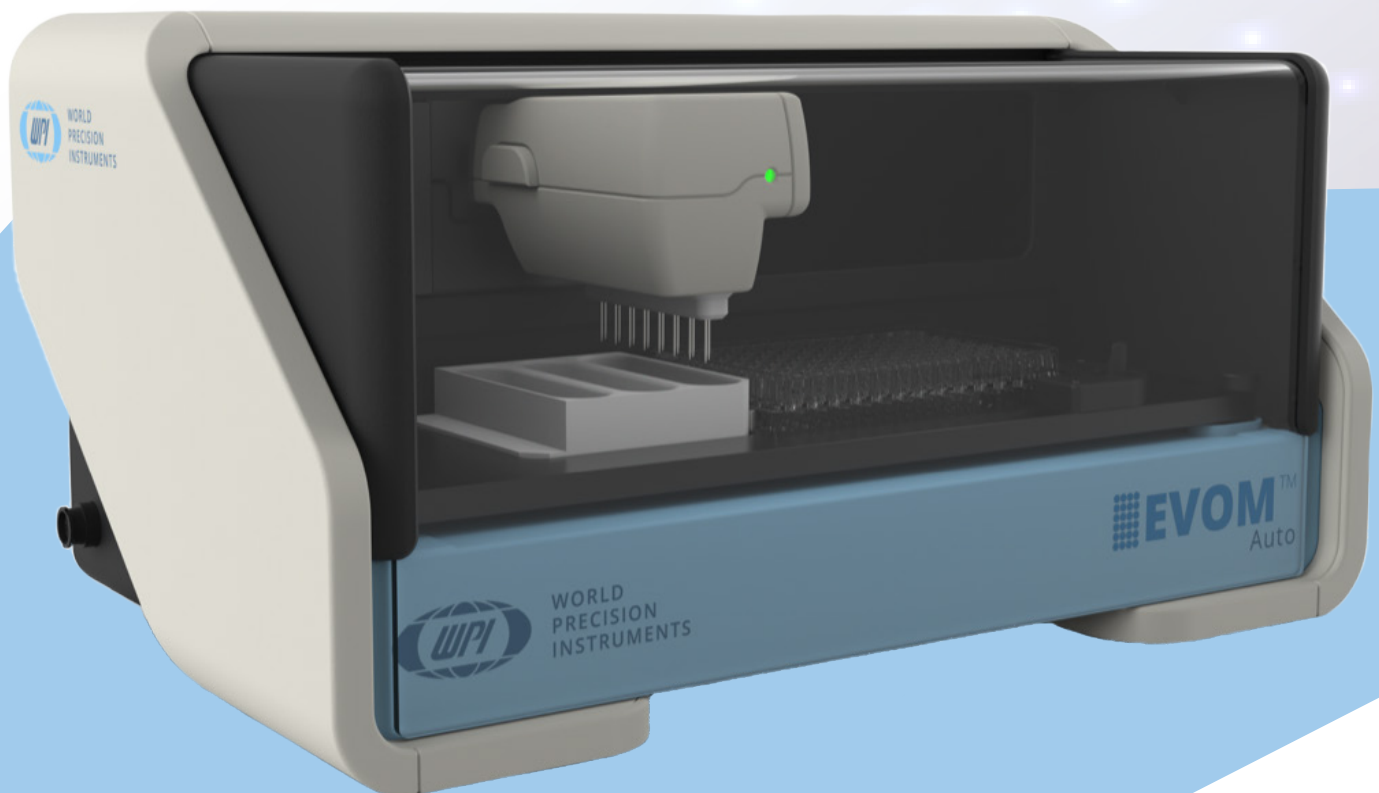




WORLD  
PRECISION  
INSTRUMENTS

# 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.



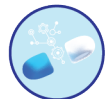
*The Gold Standard:  
WPI's EVOM™ TEER  
technology has been  
noted in over 16,000  
published,  
peer-reviewed  
research papers.*



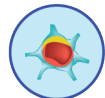
### APPLICATIONS



Confluence of Monolayer



Drug Discovery



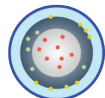
Blood Brain Barrier (BBB)



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**



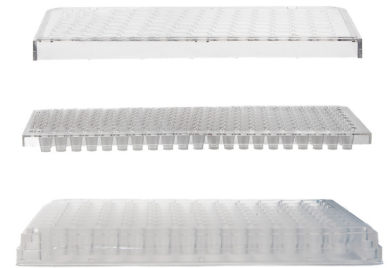
**EASY-TO-NAVIGATE  
SYSTEM SAVES TIME  
WHEN CONFIGURING  
SEQUENCES**

# 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

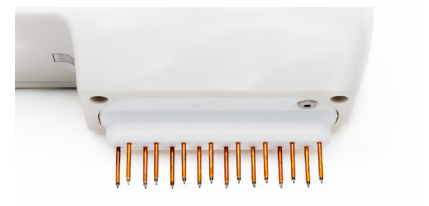
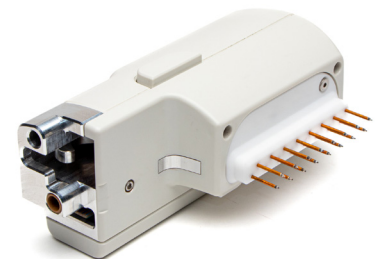


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## ELECTRODE ARRAY

### Measure 8 Wells Simultaneously

- Array of 8 pair of (1mm  $\Phi$ ) 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



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