



# EVOM™ Manual STX HTS Electrodes

## High Throughput Screening (HTS) In Cell Culture Filter Plates



EVM-EL-03-03-03



EVM-EL-03-03-02



EVM-EL-03-03-04

Semi-permeable HTS (high throughput screening) culture plates have become a standard tool for pharmaceutical and institutional research in epithelial transport. HTS culture plates have well cups which are bonded together into a single assembly and are not removable. This makes the plates ideal for automated applications, but imposes a significant inconvenience when TEER must be measured in the absence of an automated system. WPI's STX HTS series of EVOM™ electrodes provide a cost-effective alternative to automation, allowing HTS well plates to be measured manually using a hand-held electrode.

The spatial orientation of an electrode during TEER measurement can have a significant effect on the resistance reading. When compared to the STX-2 "chopsticks" electrode, the STX HTS series of EVOM™ electrodes offer a technical advantage. The design of the STX HTS series of EVOM™ electrodes guarantees spatial repeatability. Each STX HTS EVOM™ Electrode is designed to self-align based on the form factor of the apical and basal access ports of the HTS plate. Each manufacturer of HTS culture systems has a unique form factor, and the correct STX HTS EVOM™ Electrode to use is manufacturer specific.

WPI developed STX HTS EVOM™ Electrode for 24 and 96 well plates specific to Corning Costar, Corning Falcon, and Millipore. Refer to the charts for compatibility information or contact your WPI sales representative for assistance. If an automated system is preferable for your application, investigate WPI's automated TEER measurement system (EVOM™ Auto).

### FEATURES

- Designed for use with 24-well HTS plate (Corning Costar, and Corning Falcon) and with 96-well plates (Millipore)
- Improved accuracy down to 5  $\Omega$
- Sterilized with EtO, alcohol, or bactericide
- Compatible with EVOM2, EVOM™ Manual, Millicell® ERS, and ERS2
- STX4 Electrode adapter cable (WPI # EVM-AC-02-01-01) is required to use with EVOM, EVOM2, Millicell® ERS, and ERS2

### BENEFITS

- Smaller tip size than the STX2 electrode constructed for durability fits neatly into the keyhole shaped filter well
- Electrode design reduces chance of contamination
- Premium Warranty Available

### APPLICATIONS


- STX HTS EVOM™ Electrode are designed for TEER measurement in HTS culture plates using the EVOM™ Manual

### OPTIONS


Order code	Description
EVM-EL-03-03-02	STX HTS EVOM™ Electrode for MILLIPORE 96
EVM-EL-03-03-03	STX HTS EVOM™ Electrode for FALCON 24
EVM-EL-03-03-04	STX HTS EVOM™ Electrode for CORNING 24
EVM-EL-03-03-05	STX HTS EVOM™ Electrode for CORNING 96
EVM-EL-03-02-05	STX HTS EVOM™ Electrode for TEER in MATTEK 96

## COMPATIBILITY CHARTS


The STX HTS EVOM™ Electrode is compatible with the following plates.

STX HTS EVOM™ Electrode for Millipore	Part #	Description	Pore Size	Membrane
	PSHT004R1	96-well plate	0.4µm	PCF
	PSRP004R1	96-well plate	1.0µm	PET
	PSHT004R5	96-well plate	0.4µm	PCF
	PSRP004R5	96-well plate	1.0µm	PET
	PSHT004S5	96-well plate	0.4µm	PCF


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STX HTS EVOM™ Electrode for Corning 96	Part #	Description	Pore Size	Membrane
	3380	HTS Transwell-96 System	1.0µm	PET
	3392	HTS Transwell-96 System	1.0µm	PET
	7369	HTS Transwell-96 System	0.4µm	PET
	3381	HTS Transwell-96 System	0.4µm	PC
	3391	HTS Transwell-96 System	0.4µm	PC
	3385	HTS Transwell-96 Well Plate	3.0µm	PC
	3386	HTS Transwell-96 Well Plate	3.0µm	PC
	3387	HTS Transwell-96 Well Plate	5.0µm	PC
	3388	HTS Transwell-96 Well Plate	5.0µm	PC
	3374	HTS Transwell-96 Well Plate	8.0µm	PET
	3384	HTS Transwell-96 Well Plate	8.0µm	PET

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STX HTS EVOM™ Electrode for Falcon	Part #	Description	Pore Size	Membrane
	351181	Corning Falcon HTS Multiwell Insert System	1.0µm	PET
	351183	Corning Falcon HTS Multiwell Insert System	3.0µm	PET
	351185	Corning Falcon HTS Multiwell Insert System	8.0µm	PET
	354803	Corning BioCoat HTS Fibrillar Collagen Multiwell Insert System	1.0µm	PET
	354804	Corning BioCoat HTS Fibrillar Collagen Multiwell Insert System	1.0µm	PC

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STX HTS EVOM™ Electrode for Corning 24	Part #	Description	Pore Size	Membrane
	3378	HTS Transwell-24	0.4µm	PET
	3379	HTS Transwell-24	0.4µm	PET
	3396	HTS Transwell-24	0.4µm	PET
	3397	HTS Transwell-24	0.4µm	PET
	3398	HTS Transwell-24	3.0µm	PET
	3399	HTS Transwell-24	3.0µm	PET

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