Applied BioPhysics
Quantifying Cell Behavior

TEER 96

96-well Continuous Real-time TEER Measurement System

10-2,500 ohm-cm^2 Range

- Continuous long-term measurement of TEER from under 10 - 2,500 ohm cm^2 in up to 96 wells
- Non-invasive AC measurement
- Automated dipping pin insertion
- Can be robotically loaded
- Choose between single time point or continuous measurements
- Uses Millipore® or Corning® 96-well filter plates
- Fast barrier function dynamics can be monitored
- Accurately measures endothelial and epithelial barrier function
- Real time visualization of TEER; control of sampling rate
- Up to 96 wells can be simultaneously displayed and analyzed
- Export data to Excel or other statistical programs
- Bar Code Plate tracking

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This system provides repeatable label-free automated TEER measurements to electrically monitor the barrier function of epithelial and endothelial cells as they are grown in normal CO_2 high humidity incubators. Data is collected continuously and reported as real-time changes in TEER of cell layers in ohm-cm^2.

User friendly software

- TEER values vs time graph
- Click-button initiation
- Color-coded well mapping
- Stores values without cells (flat-fielding)
- Group average and compare data
- Statistical error bars
- Data output in CSV or graphical (JPEG, TIFF)

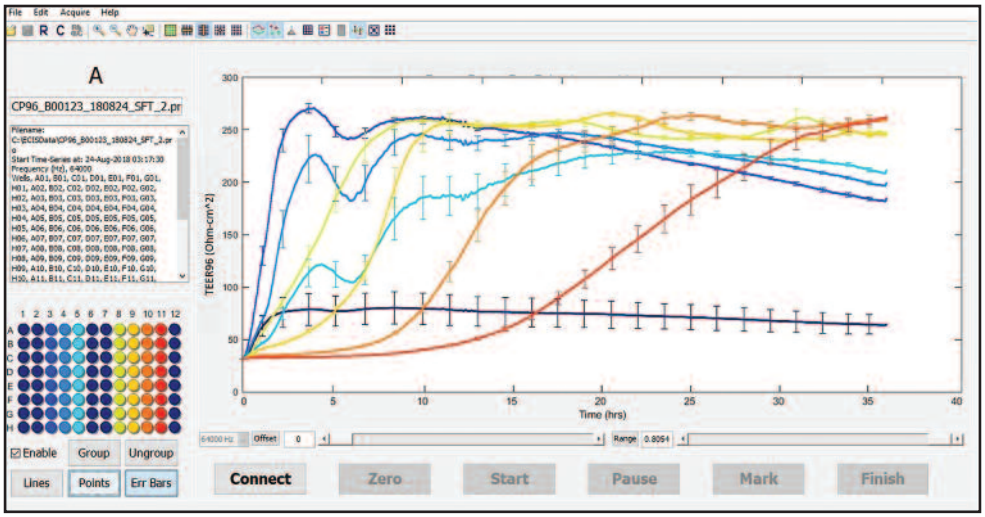
Specifications:

- Reads Millipore® and Corning® 96 well plates
- Gold electrodes dipping pins
- 75 Hz sinusoidal excitation
- Power: < 2 watts, 12 V dc
- Station: 30 x 13 x 25 cm
- Controller: 29.8 x 9.2 x 21.9 cm
- Windows 10 OS

CE CERTIFIED

System includes:

- TEER 96 station
- Station Controller w/Power Supply
- Motion Controller w/Power Supply
- Laptop PC w/TEER96 software installed
- TEER96 validation array
- Spare 96 dipping pin assembly
- Bar code scanner
- Bar code labels for culture filter plates
- All cables



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