96 Well Arrays

96W1E+ PET

Each of the 96 wells in a standard plate configuration contains two circular 350 μm diameter active electrodes on a transparent PET substrate (measuring from 100-200 cells). As with other 1E arrays, a major use of this array is for the ECIS wound-healing assays where the small electrodes assures the high current pulse will result in complete cell killing.

Only a small population of cells is monitored on the small electrodes resulting in a fluctuating impedance signal due to the random like movement of the cells (micromotion).

Applications include:

• Cell Migration

• Measurement of micromotion

• Cell-ECM protein interactions

• Signal transduction assays

• Detection of invasion of endothelial cell layers by metastatic cells

• Barrier function

• In situ Cell Electroporation and Monitoring
Each of the 96 wells has an Inter-digitated finger configuration. The total electrode area is 2.09mm$^2$ which measures a maximum of 2000-4000 cells.

Applications include:

- Cell-ECM protein interactions
- Signal transduction assays
- Detection of invasion of endothelial cell layers by metastatic cells
- Barrier function
- Cell proliferation
Each of the 96 wells has an Inter-digitated finger configuration. The total electrode area is 3.985mm² which measures a maximum of 4000-8000 cells.

Applications include:

• Cell-ECM protein interactions

• Signal transduction assays

• Detection of invasion of endothelial cell layers by metastatic cells

• Barrier function

• Cell proliferation