cellZscope +

Transepithelial/transendothelial electrical resistance (TEER) is the measurement of electrical resistance across a cellular monolayer and is a very sensitive and reliable method to confirm the integrity and permeability of the monolayer. cellZscope systems allow automated, long-term monitoring experiments with up to 96 different cell cultures simultaneously. TEER and optionally the capacitance (Ccl) of various types of barrier-forming cells cultured on permeable membranes can be analyzed in real-time.

Examples of uses:

- real-time TEER measuring
- to confirm the integrity and permeability of the monolayer
- for studying epithelial or endothelial cells *in vitro*
- control of layer formation and differentiation of cells over several weeks (e.g. Caco-2 cells)
- monitoring of the junction formation
- influence of different ingredients on the cell layer morphology