

Tewitro® TW 24

For each product to be applied to the skin, safety measurements are indispensable. The use of skin tissue models for long-term safety tests is a quick and easy method to avoid using animals or volunteers. The Tewitro® TW 24 is the only device to measure the water evaporation from cultured tissue sets (wells in a plate with medium) in up to 24 wells simultaneously. The Tewitro® is well-suited to non-invasively monitor TEWL (transepidermal water loss) of cultured skin tissue samples. These results open up new opportunities to monitor the dermal barrier physiology under different experimental conditions and treatments *in vitro*.

Examples of uses:

- to study skin permeability and dermal absorption necessary for safety and efficacy testing
- measuring the actual effect on the barrier function of applied products (safety & efficacy)
- quality check of tissue cultures

