

# T-Skin: performance assessment of TransEpidermal Water Loss (TEWL)

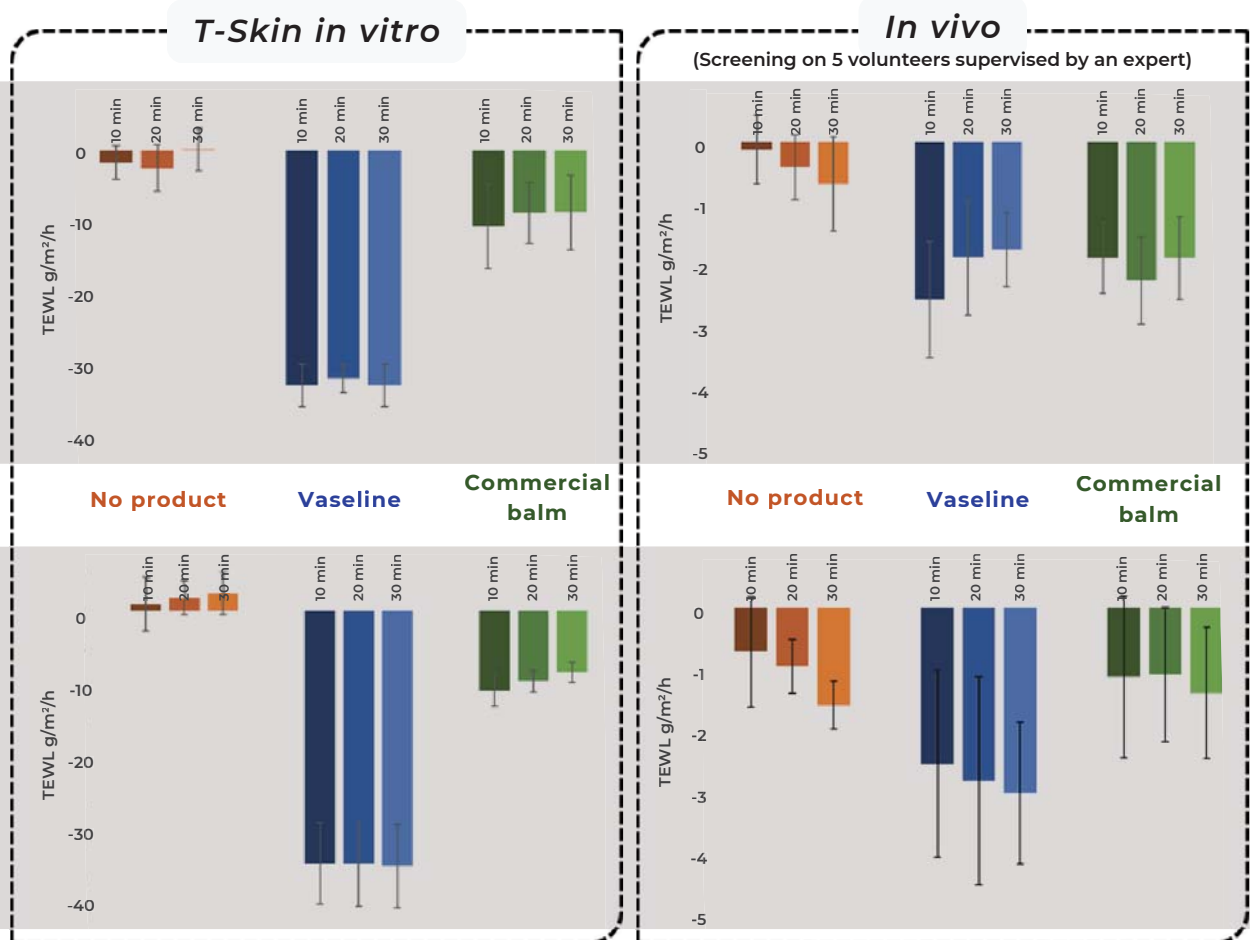


## THE TECHNOLOGY T-SKIN

First *in vitro* test, assessing in 1h, your cosmetic product's protective performance among a chosen panel of similar products. This cutting-edge innovation, based on microfluidics, combines a sensor for TEWL measurement with a synthetic polymeric skin that mimics human skin water evaporation.

## CASE STUDY - PROTECTIVE SKINCARE PRODUCT

Screening test of protective skincare products to predict which product is the most efficient against transepidermal water loss (representation of the TEWL variation vs T0):



**Conclusion:** T-Skin is a reproducible *in vitro* method for evaluating and discriminating film forming cosmetics.

T-Skin mimics the human transepidermal water loss to evaluate and predict the skincare products protective effect.

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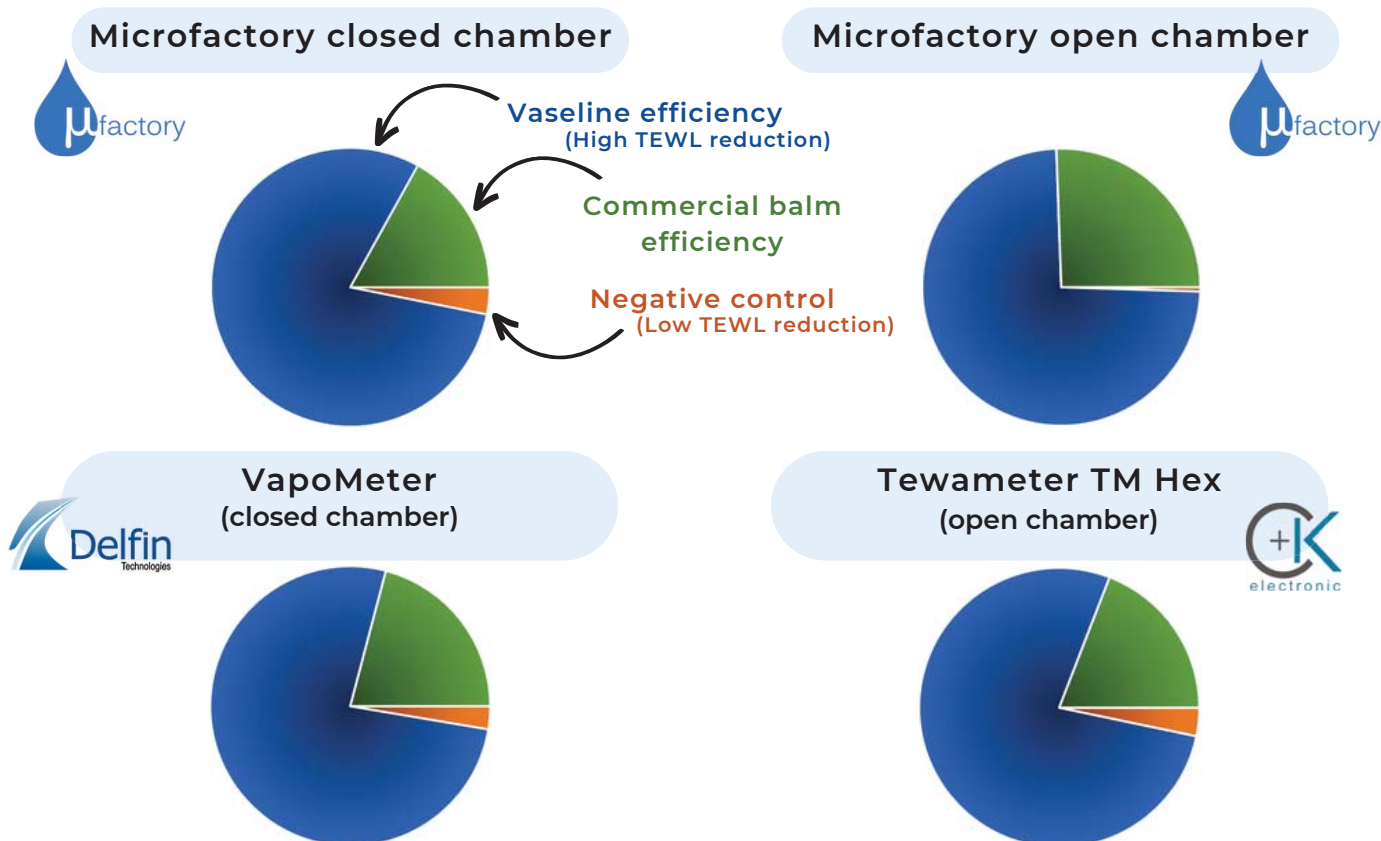
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## CASE STUDY - PROTECTIVE SKINCARE PRODUCT WITH MICROFACTORY SENSORS

*In vitro* comparison of Microfactory sensors with VapoMeter and Tewameter TM Hex by evaluating skincare product effect on TEWL:



**Conclusion:** Microfactory's TEWL sensors are as efficient and sensitive as the well-known VapoMeter and Tewameter TM Hex.

Combining T-Skin with Microfactory TEWL sensor enables robust discrimination of protective effects.