

Scalp hydration

Testing the efficacy of an leave-on tonic for treating dry, itchy scalp conditions



Case information

Study: *"Efficacy of a New Tonic Containing Urea, Lactate, Polidocanol, and Glycyrrhiza inflata Root Extract in the Treatment of a Dry, Itchy, and Subclinically Inflamed Scalp"*, published in Skin Pharmacol Physiol.

The study aimed to investigate the efficacy of a new tonic containing active ingredients and designed to alleviate dry, itchy, and inflamed scalp conditions associated with diseases like atopic dermatitis and psoriasis.

Solution and method

The study was conducted over four weeks with 30 participants, and the Hydration Pin Probe was used to perform measurements in scalp areas. Scalp hydration was measured at baseline, and after 2 and 4 weeks. Measurements were taken on both treated and untreated scalp areas by parting the hair and securing it with hairclips. The Hydration probe provided eight assessments per side to ensure precise and consistent data throughout the study.

In the study, eight measurements were taken on each side, and the software's ability to accommodate this ensures precise and consistent results – crucial in a study where valid data is needed to compare differences.

Results and conclusions

By use of the Hydration Pin Probe the study found significant improvements in scalp hydration, reduced itching, normalized lipid levels, and lower inflammation markers.

Read the full article:

Efficacy of a New Tonic Containing Urea, Lactate, Polidocanol, and Glycyrrhiza inflata Root Extract in the Treatment of a Dry, Itchy, and Subclinically Inflamed Scalp.

Authors:

Dorothea Schweiger; Caroline Baufeld; Philip Drescher; Bernhardt Oltrogge; Simone Höpfner; Aylin Mess; Juliane Lüttke; Frank Rippke; Alexander Filbry; Heiner Max.

BENEFITS of the DermaLab Combo

Objective, reliable data:

The Hydration Pin Probe provides immediate and accurate assessments of the water-binding capacity in the stratum corneum, delivering the objective and reliable data essential for this study.

Application in hairy areas:

Its pin design enables measurements in hairy areas without the need for hair removal, which is essential in studies like this where the skin beneath the hair must be assessed.

Consistent results:

In the study, eight measurements were taken on each side, and the software's ability to accommodate this ensures precise and consistent results – crucial in a study where valid data is needed to compare differences.



The Hydration Pin Probe

is one of 11 parameters available for the customizable DermaLab Combo, where up to 9 parameters can be combined in one single device for advanced measurements.

To learn more about our solutions, visit cortex.dk.

 **Cortex**
Niels Jernes Vej 6B
9220 Aalborg
Denmark
+45 9857 4100
cortex@cortex.dk
www.cortex.dk