



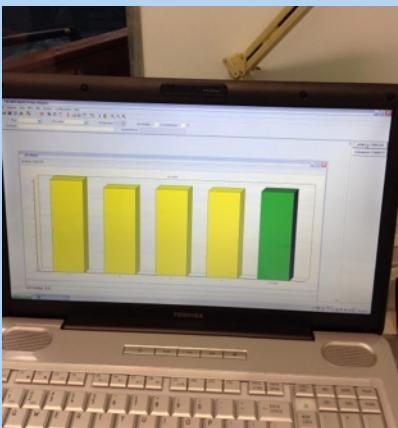
STEPS



1. PREPARATION



2. MEASUREMENT



3. REPORTING

Skin pH Measurement

Instrumental Measurement using a Skin pH Meter

Supportable Claims

- Helps maintain the “Acid Mantle” of the skin.
- Adjusts skin pH.
- Does not reduce/increase skin pH.
- Maintains skin integrity even after (number of) uses.
- Hospital use support.

Product Application

Baseline is determined for each test volunteer. Typically, range of human skin pH can vary between 4 to around 6.5.

Product is applied as normal use. This may be a leave on, such as a pH buffering cream, or wash off such as a cleanser or hand/body wash or hand sanitiser.

Measurement

A customised pH electrode is utilised in order to accurately determine pH.

The device is calibrated at the commencement of the study.

Lab temperature and relative humidity are controlled during the measurement.

Replicates are taken over closely adjoining areas which have been designated at the commencement of the study. The target area can be any area of skin as appropriate to the intended use of a product.

Assessment of Change

Direct skin pH measurements are taken and documented. Typical studies are structured for before and after product application and usually two products are tested on a comparative basis.

The study can be constructed in order to show effect, or lack of product impact after just one application, or longer term use over an extended period.

Data is suitable for graphing and the test is appropriate for claims up to hospital grade.

References

1. Schmid-Wendtner M-H, Korting H C. (2007) *pH and Skin Care* ABW_Wissenschaftsverlag
2. Lambers, H., Piessens, S., Bloem, A., Pronk, H. and Finkel, P. (2006), *Natural skin surface pH is on average below 5, which is beneficial for its resident flora. International Journal of Cosmetic Science, 28: 359–370.*
3. Schmid M.-H. · Korting H.C. The Concept of the Acid Mantle of the Skin: Its Relevance for the Cho...rs - Abstract - *Dermatology* 1995, Vol. 191, No. 4

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