

Studies

Study title:
Axillary pH and Influence of Deodorants
Authors:

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Source:

Skin Res. Technol. 2000, 6: 87-91

Study centre:

 BioSkin GmbH, Institute for Dermatological Research and Development,
 Hamburg

Study objective:

 Proof of pH regulation at values between 5 and 5.5 with continuous
 use of **Eucerin® pH5 deodorants**
Test product:
Eucerin® pH5 Deodorant Spray Balm
Eucerin® pH5 Deodorant Roll-On
Eucerin® pH5 Deodorant Cream
Method:
Participants :

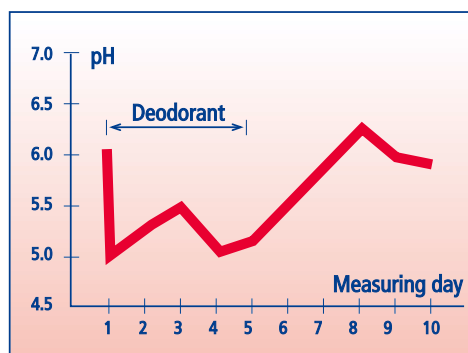
- Open observational study
- 3 test groups of 16 volunteers each with healthy skin

Application:
Test area:

- One-week wash-out period, use of a **Eucerin® pH5 deodorant** for 5 days,
 one week regression period
- Shaved armpit

Result:

- Use of **Eucerin® pH5 Deodorant Roll-On** significantly reduced the pH from
 6.1 to values between pH 5 and 5.5.
- Use of **Eucerin® pH5 Deodorant Spray Balm** reduced the pH from approx.
 6.5 to about 5.7.
- Use of **Eucerin® pH5 Deodorant Cream** reduced the pH from approx. 6.3 to
 values between pH 5 and 5.5.



Mean pH before, during and after use of Eucerin® pH5 Deodorant Roll-On.

Conclusion:

Eucerin® pH5 deodorants lower the axillary pH to approx. 5.5 and reduce the activity of odour-producing bacteria without disturbing the skin's balance. They can also be applied to especially sensitive skin immediately after underarm hair removal.