

## Studies

### Study title:

**Efficacy of Skin Protection by a New Skin Care Product (Eucerin® pH5 Spray Lotion) Containing Vitamine E and Dexpanthenol**

### Authors: Source:

A. Filbry, U. Scherdin, A. Schölermann, R. Hagens, W. Mei, F. Rippke  
Beiersdorf AG, Dermatologische Dokumentation 2002

### Study centre:

Beiersdorf AG, Hamburg



### Study objective:

Documentation of the antioxidant efficacy of **Eucerin® pH5 Spray Lotion**

### Test product:

1. **Eucerin® pH5 Spray Lotion**
2. Base

### Method: Participants: Diagnosis:

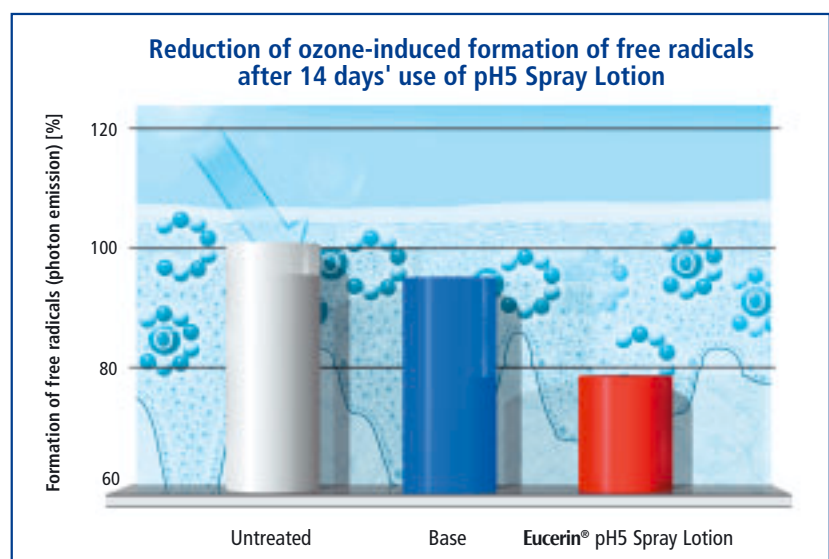
- Open in-use study
- 15 healthy volunteers
- Healthy skin

### Application: Test area:

- 14 days, twice daily
- Forearm

### Result:

- Exposure of the skin to ozone results in a clear increase in formation of free radicals in the skin.
- Photon emission measurements show that formation of free radicals in skin treated with **Eucerin® pH5 Spray Lotion** is measurably reduced relative to skin areas treated with base and significantly reduced relative to the untreated control areas.



### Conclusion:

**Eucerin® pH5 Spray Lotion with pure vitamin E is proven to protect the skin against ozone-induced oxidative environmental stress.**