
Clinical study

IMEDEEN Prime Renewal™

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Leiden University Medical Centre, The Netherlands
Dr. Nico Smit and Dr. Stan Pavel

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An in-vitro study was carried out on the ViTea™ protection complex to assess the increased defence against free radical damage. Skin fibroblasts were cultured under standard conditions. One culture was treated with the ViTea™ Complex, the other was used as a control. Both cultures were irradiated in parallel with UV light. Multiple methods were used to analyse the extent of oxidative damage on the skin cells and measure the production of free radicals in both cultures.

The results show that the ViTea™ complex minimises the amount of UV damage in skin cells. It decreases the amount of free radicals produced in skin fibroblasts and reduces the damage caused by UV radiation in essential building blocks such as lipids and DNA.

Documented results

Poster presentation: Cellular protection by natural antioxidants in cultured human skin cells. 11th Annual Meeting of the Society for Free Radical Biology & Medicine, November 17-21, 2004 US Virgin Islands, St. Thomas.

Abstract from the 11th Annual Meeting of the Society for Free Radical Biology & Medicine (above) was published in international scientific journal: Nico Smit, Fred Romijn, Ali Vahidnia, Stan Pavel and Hans van Pelt and Jana Vicanova. Cellular protection by natural antioxidants in cultured human skin cells. Abstract. Free Radical Biology & Medicine 37: Supplement 1, S43, 2004.

CLINICAL TRIALS (In-vivo)

These are studies involving female volunteers where scientists and dermatologists observe and measure the effects of the product. A 'controlled study' means that some participants receive the real product and others receive a placebo (without any active ingredients). A 'blind study' means only the investigating scientists know who is taking the real product. A 'doubleblind study' means neither the participants nor the investigators know who is taking the real product and who is taking the placebo.

SCIENTIFIC STUDIES (In-vitro)

These are experimental studies carried out by scientists in a laboratory. Skin cells and tissues can be isolated and cultured to see how they react to certain ingredients.