

True breakthroughs in dermatology. Verifiable clinical results. Isn't it time you found out for yourself?

## HYDROVITON EFFICACY STUDY:

### INTRODUCTION:

Hydroviton.CR® composition corresponds to that of the natural carbohydrate complex found in stratum corneum. It is highly substantive to skin, binding itself to Keratin like a magnet.

### PROPERTIES:

Hydroviton.CR®:

- has Keratin binding sites that are so highly substantive to skin, as to adhere to them, creating a moisture reservoir that can only be removed by the natural process of desquamation.
- regulates and retains moisture in the skin under any conditions

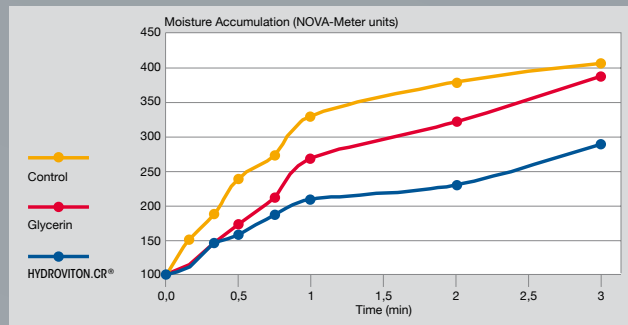
### FUNCTION:

Hydroviton.CR®:

- is a highly effective moisture regulator that functions under the driest conditions where traditional moisturizing agents and humectants lose their effectiveness.
- has been shown to reduce dryness and irritation caused by the use of AHA's.

#### 1. Moisture Accumulation Test (in-vivo)

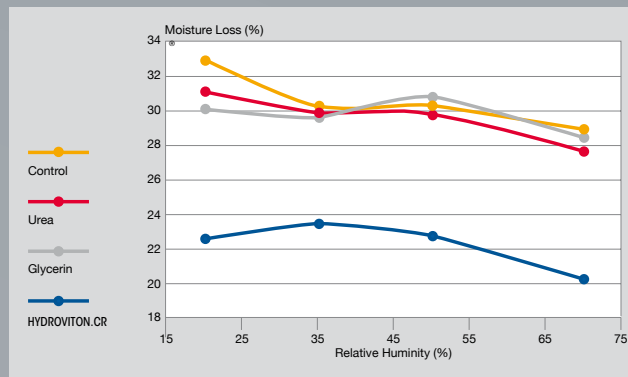
The MAT is a dynamic bioengineering method which provides information about the moisture accumulation on the surface of the stratum corneum and the retention capacity of active ingredients, respectively.



The lower the moisture accumulation on the skin surface, the better the moisture retention in the skin.

#### 2. Moisture Regulation Test (in-vitro)

Test creams containing 1.5% of active ingredient were evaluated on their moisture retention efficacy under different relative humidities at 37°C.



Compared with glycerin and urea, HYDROVITON.CR® was shown to exert favorable moisture regulation especially under low relative humidities.

#### 3. Anti Irritation Efficacy (in-vivo)

In a lactic acid tinging study HYDROVITON.CR® proved to be effective against irritation caused by AHA containing products.

