

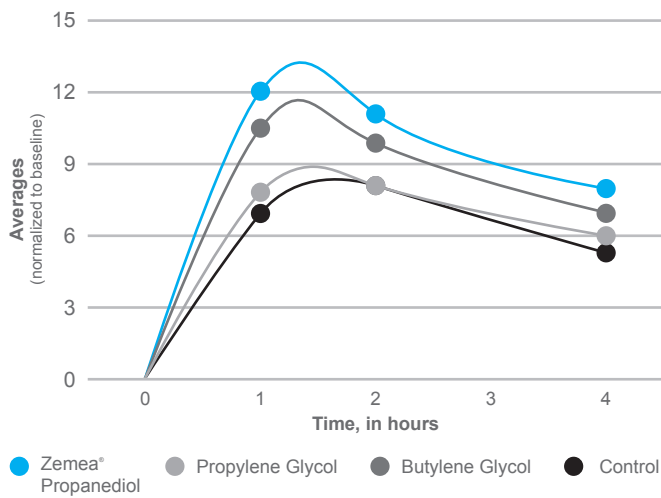


# Zemea® Propanediol

## Skin Hydration Test

A skin hydration test was conducted on 10 female volunteers aged from 46 to 65. The 5 test creams were applied on the forearms of the volunteers who had dry skin on that area. The control cream replaced the glycol with water to evaluate the relative hydration properties of the other ingredients. A Corneometer 825 PC® (Courage & Khazaka) was used to measure skin hydration immediately after each application during the test.

### Enhanced Skin Moisturization with Zemea® Propanediol



### O/W Skin Care Emulsion with 5% Glycol

INCI Name	wt %
Deionized water	61.2
EDTA	0.1
Glycol	5.0
Carbomer (2%)	10.0
Mineral Oil	10.0
Hydrogenated Polydecene	5.0
Glyceryl Stearate &	2.5
PEG-100 Stearate	2.5
Stearic Acid	0.5
Cetearyl Alcohol	1.0
Dimethicone	1.0
NaOH (20%)	1.2
Preservative	1.0

## Conclusion

- Each glycol has a positive effect on the hydration efficacy.
- Glycerin is the most efficient in hydrating during the test.
- Zemea® propanediol, Butylene Glycol and Propylene Glycol provide good hydration activity.
- Zemea® propanediol is more efficient than Butylene Glycol and Propylene Glycol in hydrating the skin throughout the entire testing period.

## For additional information or samples:

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