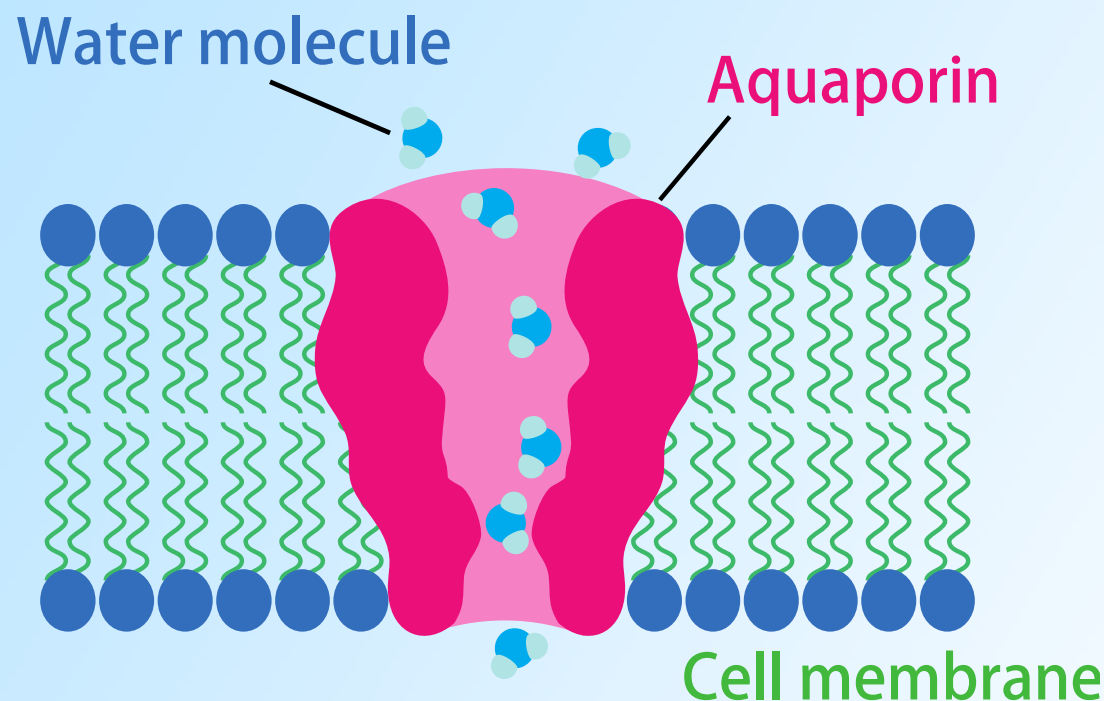


Anti-aging Ingredient with Enhancing **Aquaporin** Internal Moisturizing Mechanism

ICHIMARU PHARCOS Co.,Ltd

2014.04.01

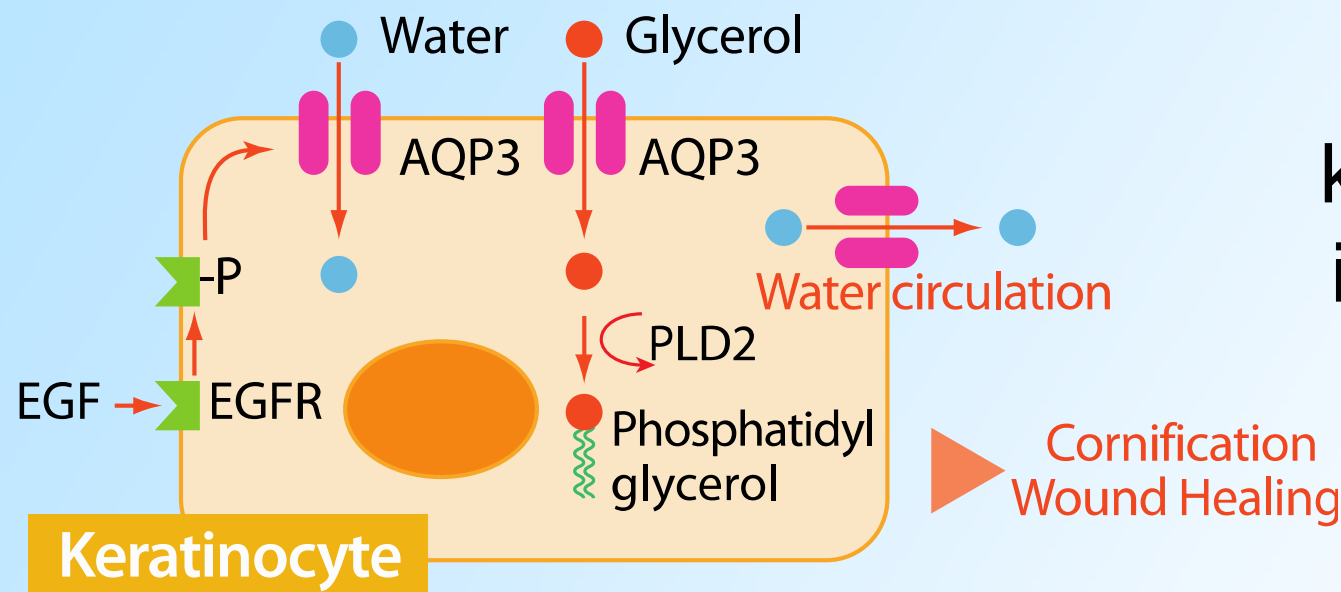
Aquaporin: Internal Moisturizing Mechanism



Aquaporins (AQP) are proteins embedded in the cell membrane that selectively transport of water molecules.

LEMONGRASS Liquid B

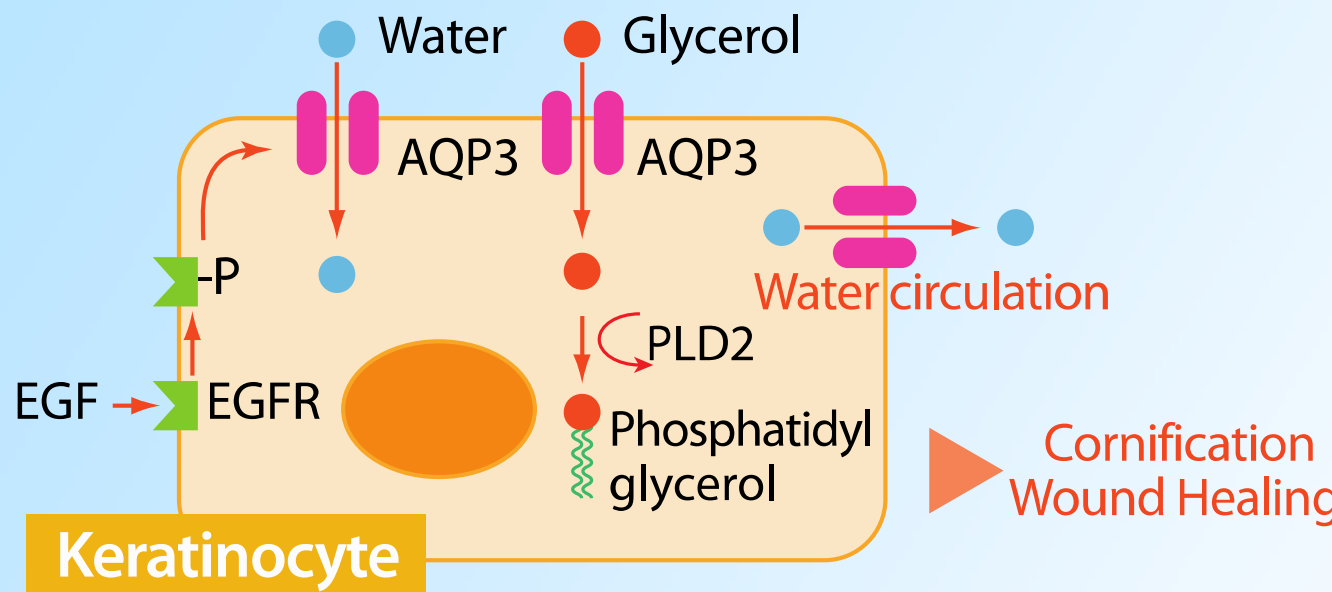
Aquaporin: Internal Moisturizing Mechanism



AQP3 exists on epidermal keratinocytes and is responsible for delivering water throughout the epidermis.

LEMONGRASS Liquid B

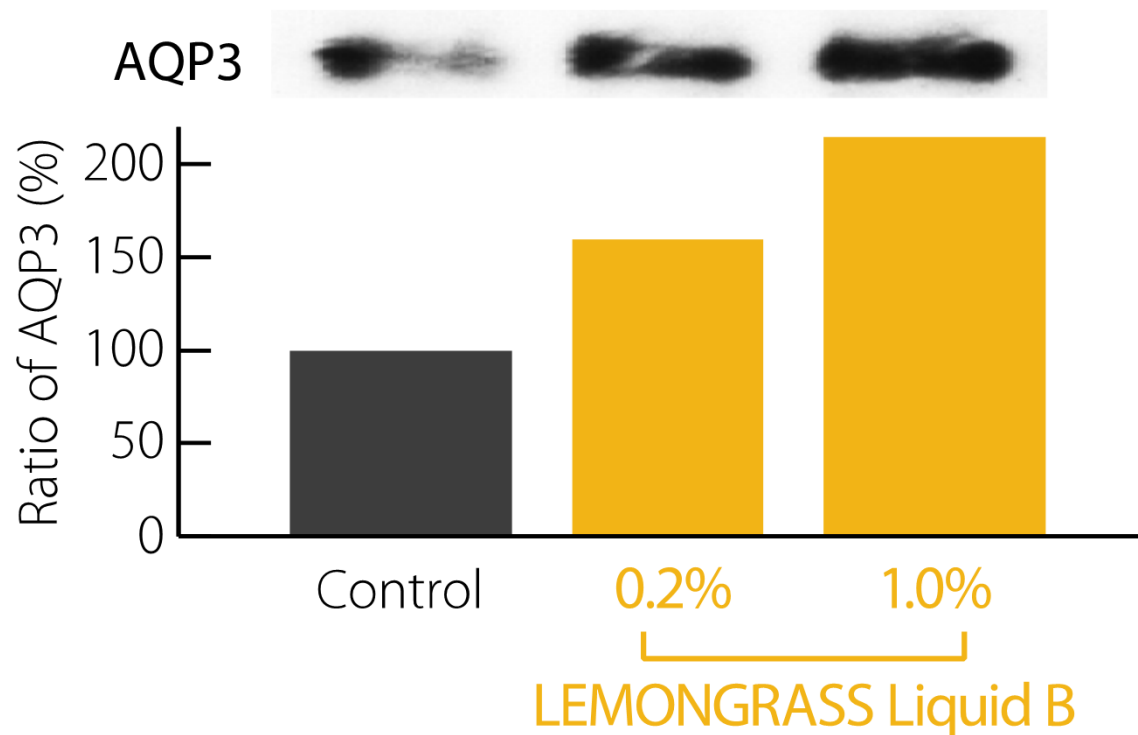
Anti-aging Ingredient with Enhancing Aquaporin.



When AQP3 is absent from the skin, it has been found that moisture content and elasticity are lower.

LEMONGRASS Liquid B

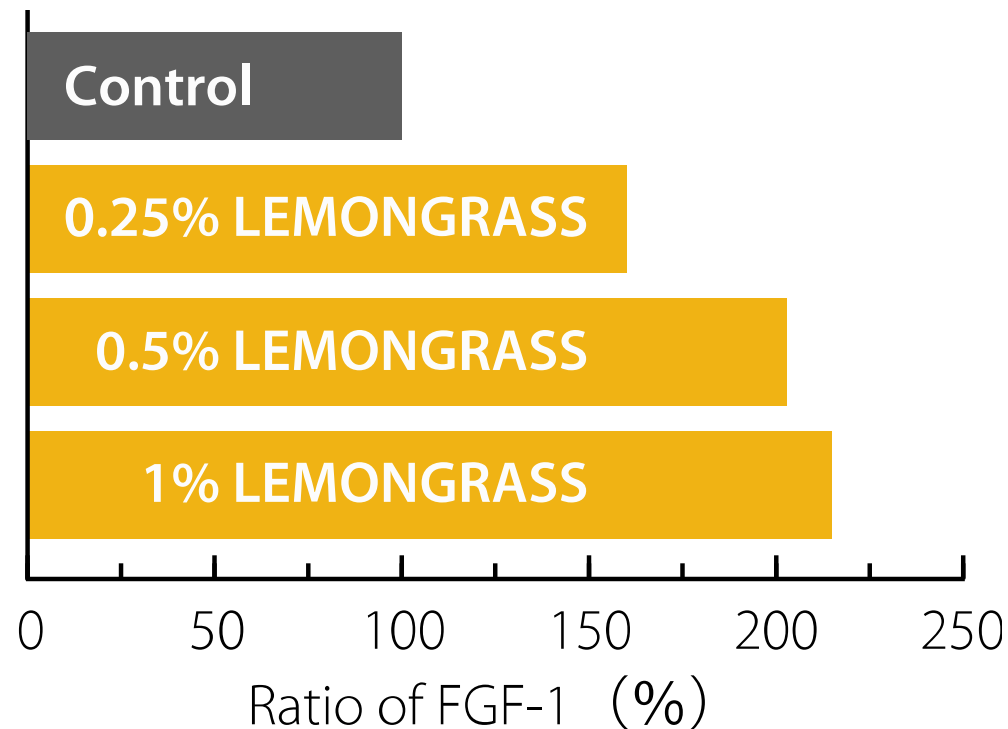
Promoting Aquaporin Production



**LEMONGRASS
Liquid B**
upregulated the
level of AQP3 in
the keratinocytes.

LEMONGRASS Liquid B

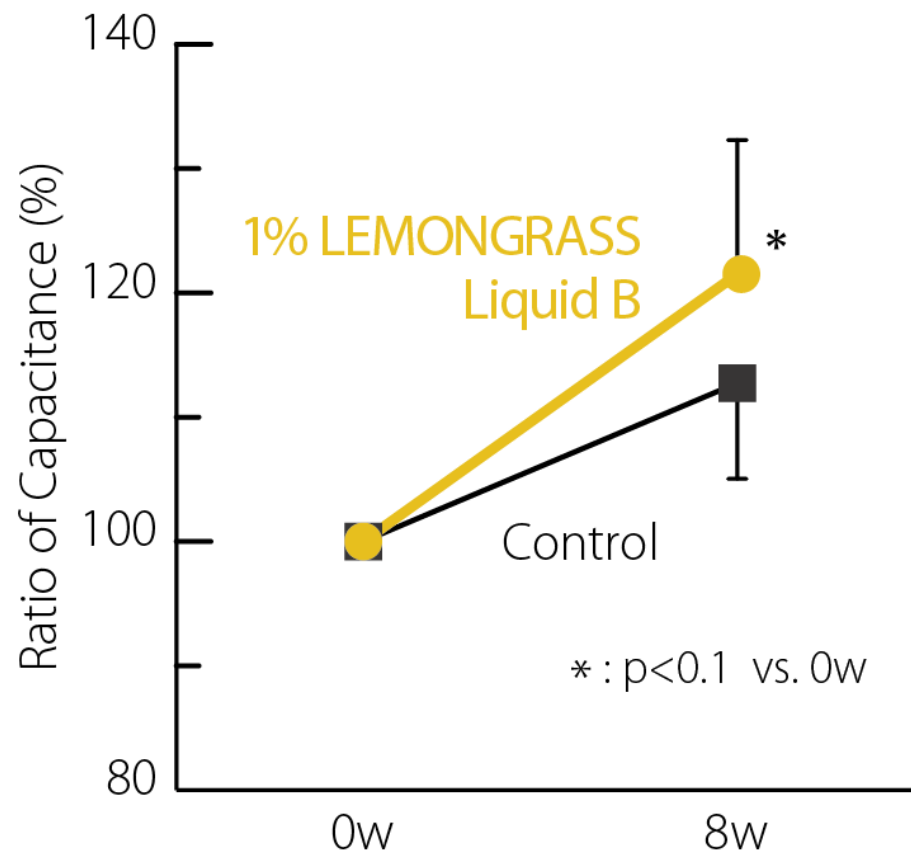
Promoting FGF-1 Production



FGF-1 is involved
in anti-aging and
tissue repair .
LEMONGRASS
Liquid B
upregulated the
level of FGF-1 in
the keratinocytes.

LEMONGRASS Liquid B

Moisturizing Effect on human skin

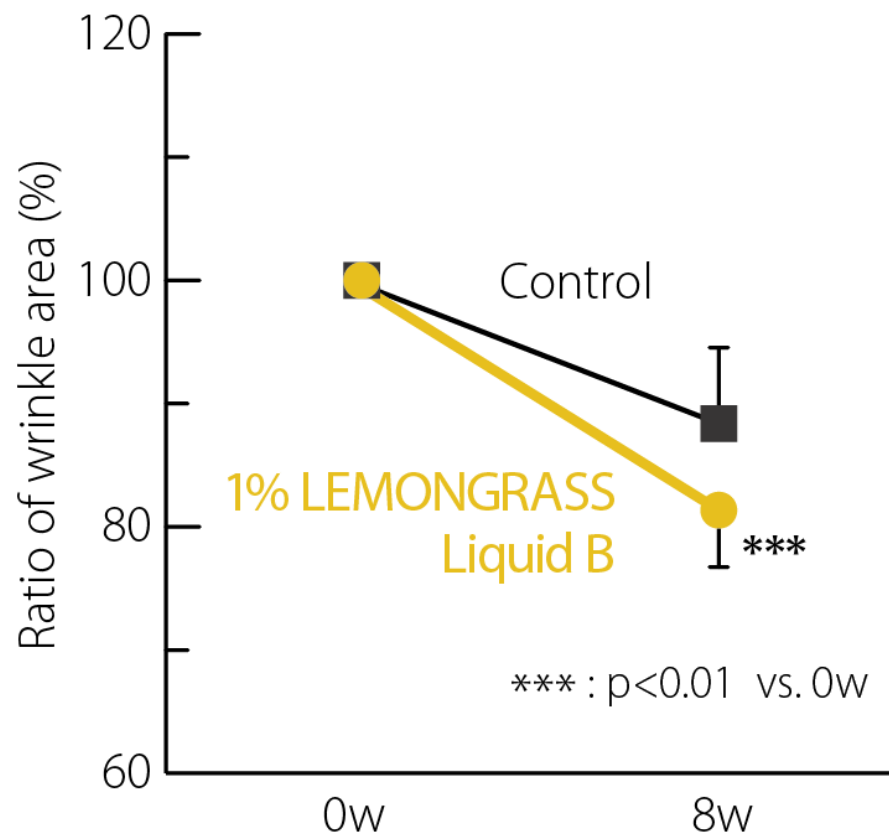


After the application of **1% LEMONGRASS Liquid B** lotion for 8 weeks, the moisture content of skin were **increased.**

10 female and male subjects
of aged between 30's to 50's

LEMONGRASS Liquid B

Anti-Wrinkle Effect on human skin



After the application of **1% LEMONGRASS Liquid B** lotion for 8 weeks, the wrinkle area of skin were decreased.

10 female and male subjects of aged between 30's to 50's

LEMONGRASS Liquid B

Anti-Wrinkle Effect on human skin



After the application of **1% LEMONGRASS Liquid B** lotion for 8 weeks, the wrinkle area of skin were decreased.

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Anti-aging Ingredient with Enhancing Aquaporin.

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<Cymbopogon Schoenanthus Leaf/Stem Extract>

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