

# RedoxySense™ W

Natural sake-peptides for Neuro-Inflammaging

PROTECT YOUR SKIN FROM MULTIPLE BIO-STRESS

Protect  
Hyper-reaction

Protect  
Sun light Stress

Protect  
Aging Stress

For Sensitive skin of Baby to Grandma

Super pure water from Kyoto

Less Allergen in fermented rice

Super purified TRX from Sake



Certified by  
The Vegan Society

in-cosmetics®  
korea

Best Ingredient  
Award 2023

ACTIVE INGREDIENT

BRONZE

TriBeaute Inc.  
RedoxySense™ W

Ver105, Revised : Jul, 2023

# Speciality of RedoxySense W- Sake Thioredoxin

## Special Source of natural Sake Peptide

**R**edoxySense W is 1st and only one ingredient to focus on thioredoxin, **Thioredoxin**, & “**BioStress**” moderation link to “**REDOXISOME-INFLAMMASOME CONTROL**”, developed by patented natural fermentation process of Japanese Rice Wine “Sake”.

Human Thioredoxin was found by Kyoto University at late 1980’ s as “**Mother Molecule**” to protect all living organism against numerous “**BioStress**”, including oxidation, pollution, UV/IR & also aging.

- **Thioredoxin (TRX)** was naturally secreted from Koji Yeast by the production of Japanese traditional Sake (Rice Wine).
- **ThioRedoxin is the Mother Molecule** for every living organisms to show numerous **anti-BioStress** effect, including anti-oxidation, anti-pollution and anti-aging.
- TRX is scientifically proven to show various anti-inflammation effect on UV & Chemical stress, and hyper immune-response, such as baby sensitive skin.
- RedoxySense W induces anti-aging effect on aged skin and keeps skin health even if it’s under atopy-like super dry skin and/or UV & Chemical stress.

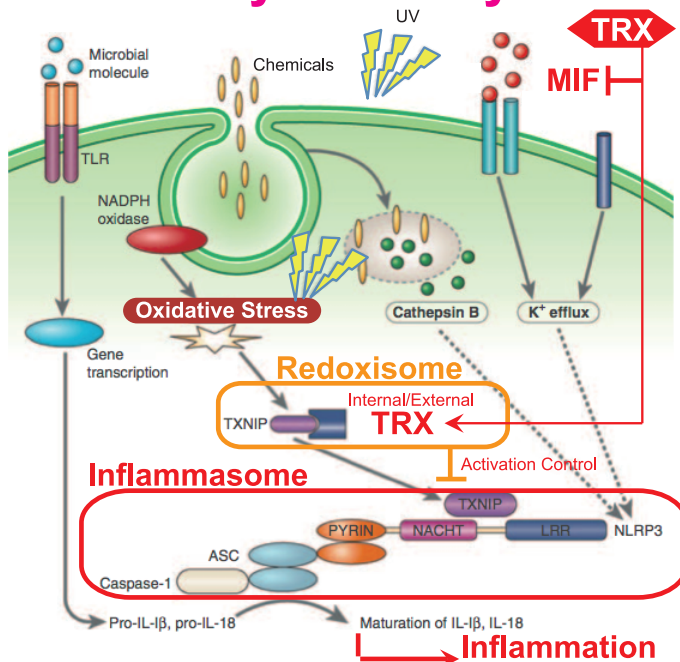


*For your baby, grandma,,,all your family  
Present from Japanese culture*

All Thioredoxin property brings best benefit for all your family.

## Mode of Action Hypothesis Scheme

### TRX directly/indirectly controls oxidative & immune stress.



Modified from Chengcheng J. et.al. Immunology and Cell Biology(2010)

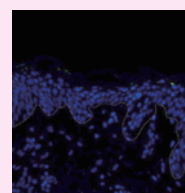
**T**RX is one of key factor of reduction - oxidation, REDOX, system.

The function is Redox control as same as GSH, SOD & Catalase. Dr.J.Yodoi, who found human TRX, found out the function is **not only redox control, but also moderate hyper-immune reaction** of lives through direct / indirect reaction against stress factors.

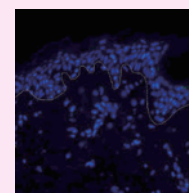
### Filaggrin induction

UV radiated skin explant was treated with/without samples and blank. 48hr cultured, thereafter immunostained and quantify Filaggrin expression in comparing to control.

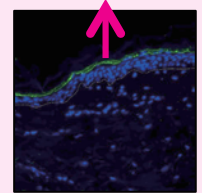
**1,500% activated**



Mock  
UV-



Blank  
UV+



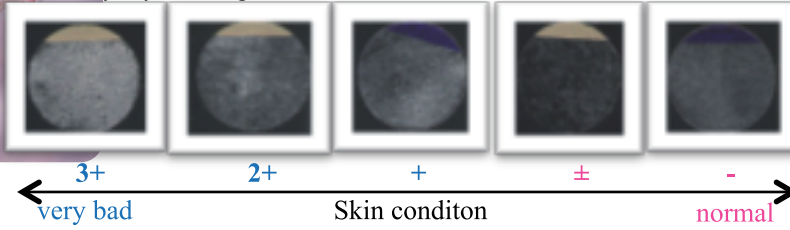
RedoxySense W  
0.1%  
UV+





# Normalize sensitive baby skin disorder

\*Horny layer rating scale

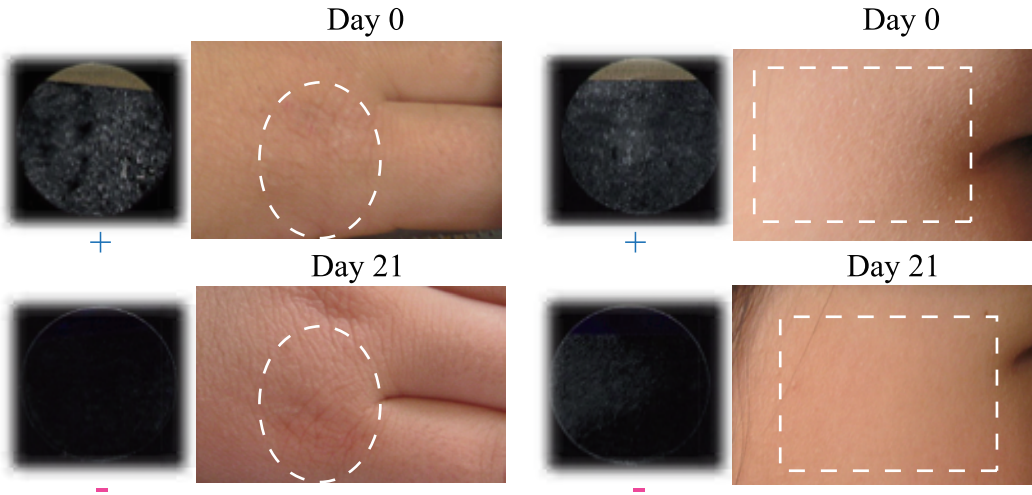


Test design;  
0.2% RedoxySense W was applied on dry & sensitive skin regions, such as forearms, hands, neck, back, abdomen, legs and face, 2 times/day for 3 weeks with placebo, then for 3 weeks TRX cream to 14 baby-kids (0-8 years old).

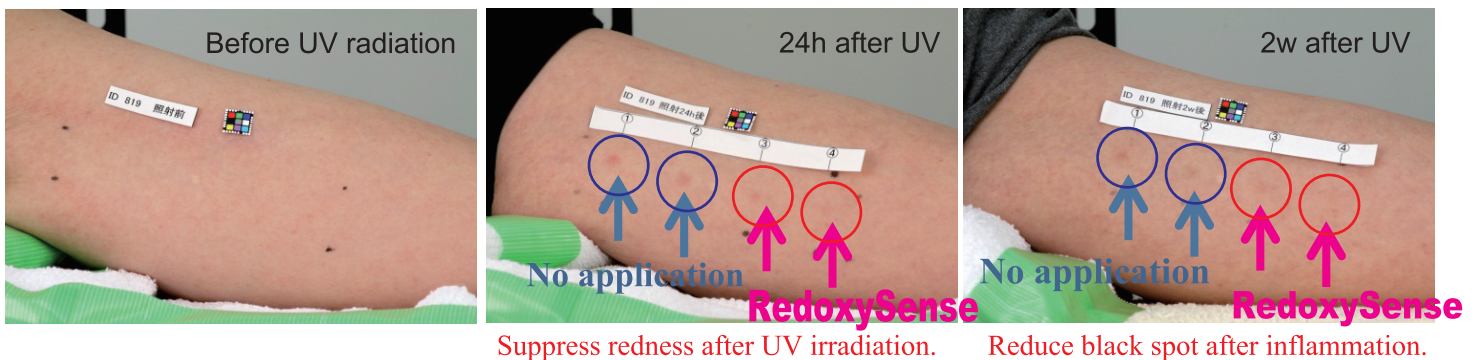
Evaluation;  
Skin moisture, horny layer disorder  
Dermatologist evaluation (disorder, itching, dryness, redness)

Results;  
RedoxySense W could improve condition of baby skin from fragile to stable. Especially, itching sensation and dry skin condition was strongly improved.

We tested Elders in same condition and got same result.



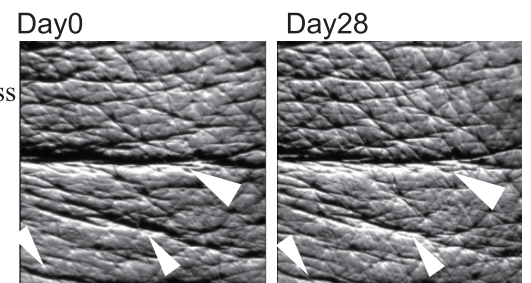
## Improve skin resistance to UV Stress



## Improve skin resistance to Aging stress

Test design;  
0.2% RedoxySense W was applied on normal adult skin of face, 2 times/day for 28 days to 11 volunteers (42-60y).

Results;  
RedoxySense W could improve skin firmness and reduce the length of wrinkles of crows feet, although placebo cream brought worse result.



## Product Details

Application : Biostress Moderation for baby & adult with irritative, sensitive skin  
Stress example : oxidation, hyper-response, dryness after sun and chemical exposure. or aging.  
Recommended dosage : 0.1-0.2% RedoxySense W  
Composition : Rice Ferment Filtrate  
Key composition : Thioredoxin (over 1000ppm)





Website



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\* The ingredients described herein are offered for consideration for use in personal care products. The information is provided scientific literatures, ingredient activity and other information, that may be relevant to their use in such products. How each ingredient would contribute to a particular product would be formulation specific. Furthermore please note that this documentation is available for various countries all over the world and hence it may contain statements not applicable to your country.