



Bioredoxyl™

Bio Stress Moderator

From the Japanese Traditional Rice Wine "SAKE"



Catalog Number
ICP0101

Description

Thioredoxin(TRX) protects every living organisms from Bio-Stress, including oxidation and radiation. TRX can control REDOX(Oxidation-Reduction) reaction and activate and moderate bio-stress depending system, like inflammation and immunological reaction.

Japanese traditional Sake produce high concentration of TRX molecules during the rice fermentation, a main part of Sake production process, because Koji yeast -the unique fermentation yeast of Japanese traditional Sake- highly expresses TRX protein.

Higher concentration of TRX contained Bioredoxyl™ improves atopic dermatitis and skin ageing symptoms-melanin accumulation, skin redness after sunburn and wrinkle.

PCPC/INCI Name

Rice Ferment Filtrate (SAKE)

Application

- Moderate hyper immune-response
- Anti-oxidation
- Anti-inflammation

Recommended Dosage

0.1 ~ 0.2%

Appearance

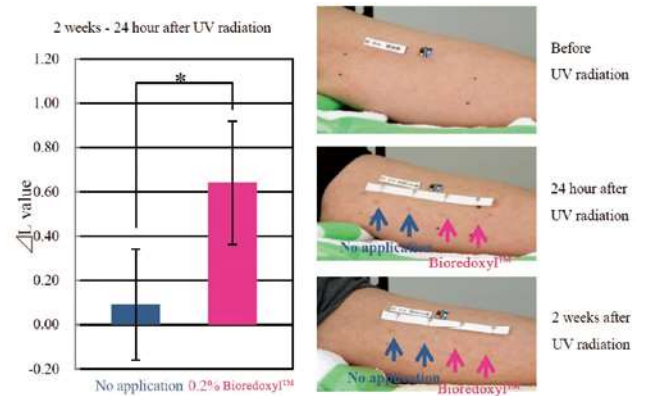
Dark Gray Powder

Composition

Rice Ferment Filtrate (SAKE)
- TRX content : over 1,000ppm

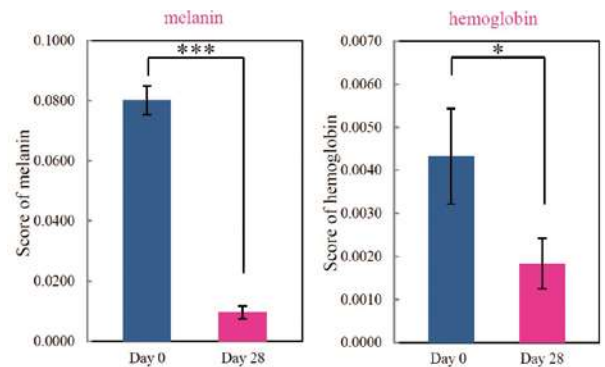
Bio and Clinical Activity

Reduce skin redness after UV irradiation



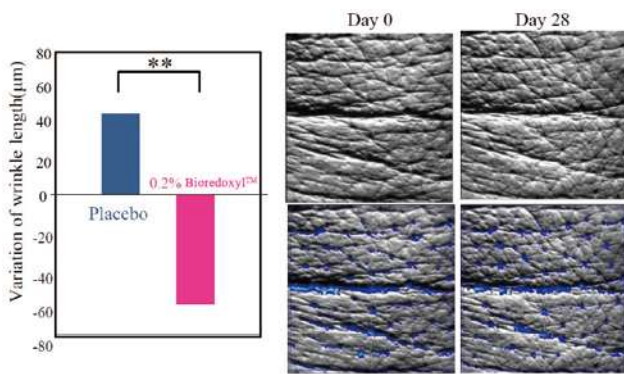
0.2% Bioredoxyl™ containing lotion was applied 2 times/day for 2 weeks after UV irradiation. L value was measured by a spectro colorimeter CM-2600d. Reduction of redness induced by UV irradiation observed by Bioredoxyl™ application.

Maintenance of healthy skin structure



0.2% Bioredoxyl™ containing lotion was applied 2 times/day for 4 weeks. Skin toning parameters-melanin and hemoglobin content- were decreased. (measured by a VISIA Evolution)

Anti-wrinkle effects



0.2% Bioredoxyl™ containing lotion was applied 2 times/day for 4 weeks. 0.2% Bioredoxyl™ resulted in a significant decrease in wrinkle length. Wrinkle length was measured by a reflective replica analysis system ASA-03RXD.

Anti-atopic dermatitis effect on Adult



0.2% Bioredoxyl™ containing lotion was applied 2 times/day for 4 weeks after using placebo for 4 weeks in 11 adult volunteers. Skin moisture was measured by a moisture checker MY-808S, the horny layer was sampled by a horny checker and skin parameters were evaluated by Visual Analogue Scale(VAS). As a result, Bioredoxyl™ has moisturising effect and improves effects against atopic and dry skin on adults.

Anti-atopic dermatitis effect on Child



0.2% Bioredoxyl™ containing lotion was applied 2 times/day for 8 weeks after using placebo for 3 weeks to 14 child volunteers. Skin moisture was measured by a moisture checker MY-808S, the horny layer was sampled by a horny checker and skin parameters were evaluated by Visual Analogue Scale(VAS). As a result, Bioredoxyl™ has moisturising effect and improves effects against atopic and dry skin on children.

