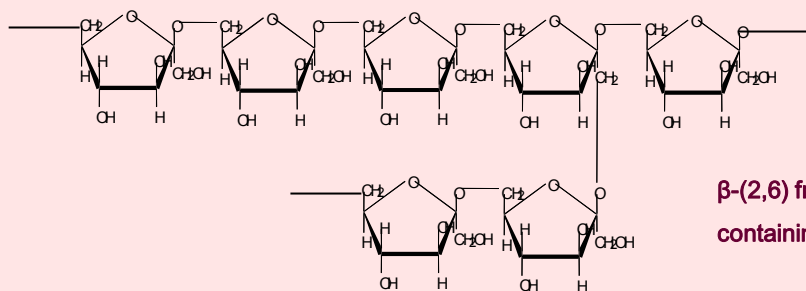


# Fructan (Levan)



INCI Name : FRUCTAN  
Origin : Fermentation from Sucrose  
Main Effects : Moisturizing  
Anti-Inflammatory  
Cell Proliferation

## ❖ Chemical structure of Levan(Fructan)

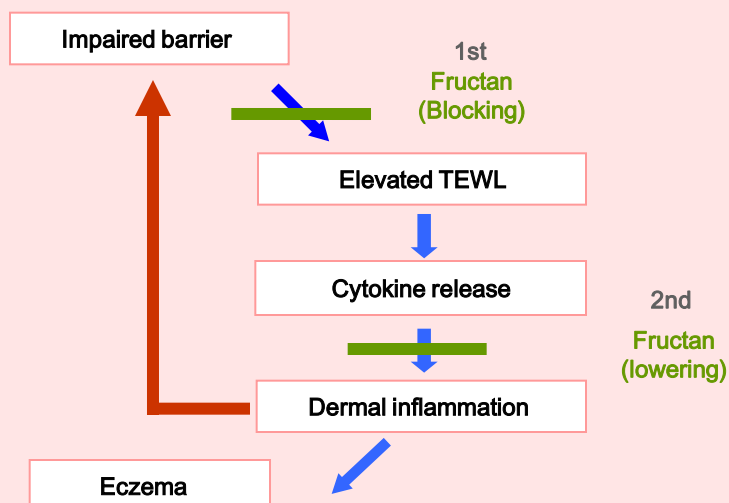
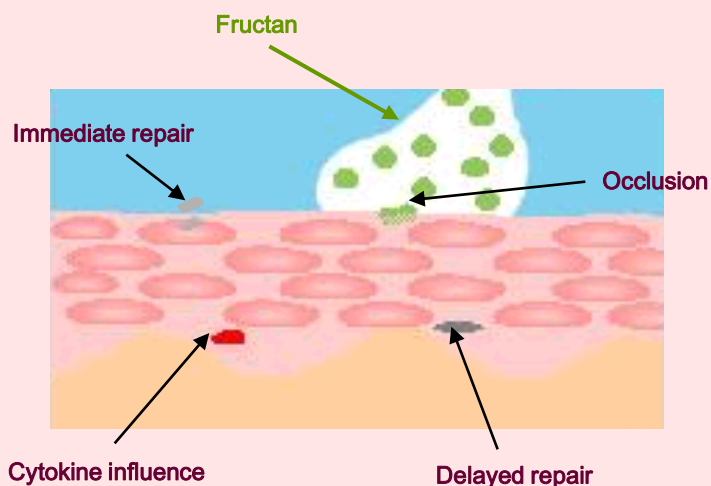


$\beta$ -(2,6) fructose polymer  
containing  $\beta$ -(2,1) branch



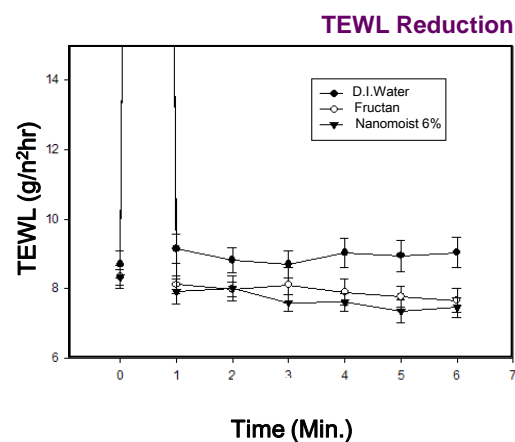
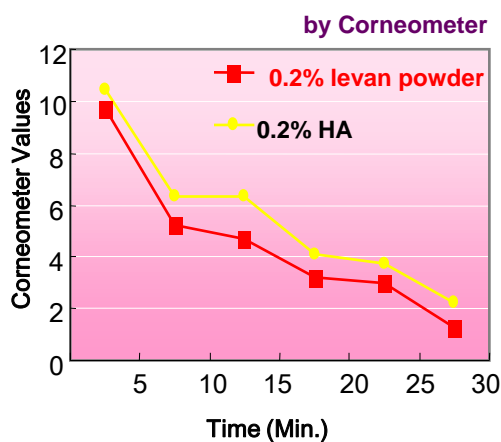
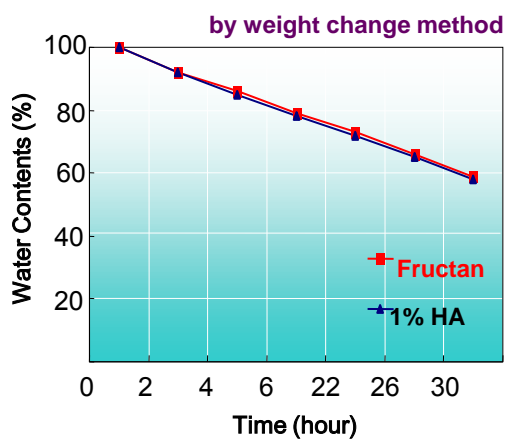
Fructan, 5% sol

## ❖ Action mechanism of Fructan



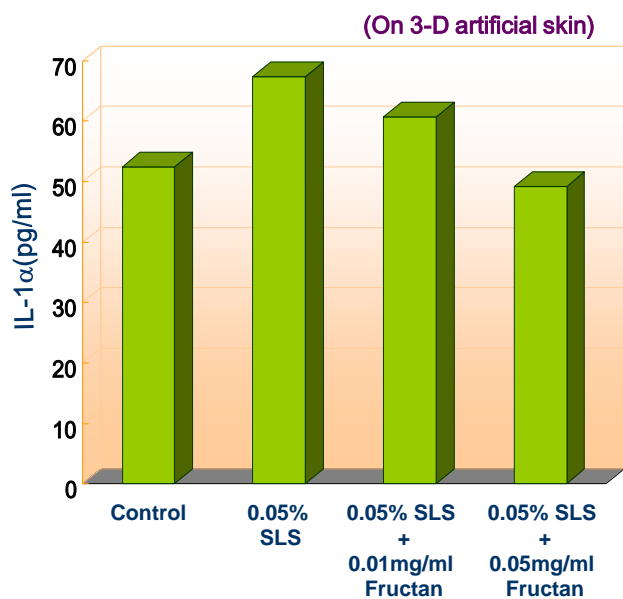
# Fructan (Levan)

## ❖ Moisturizing Effect

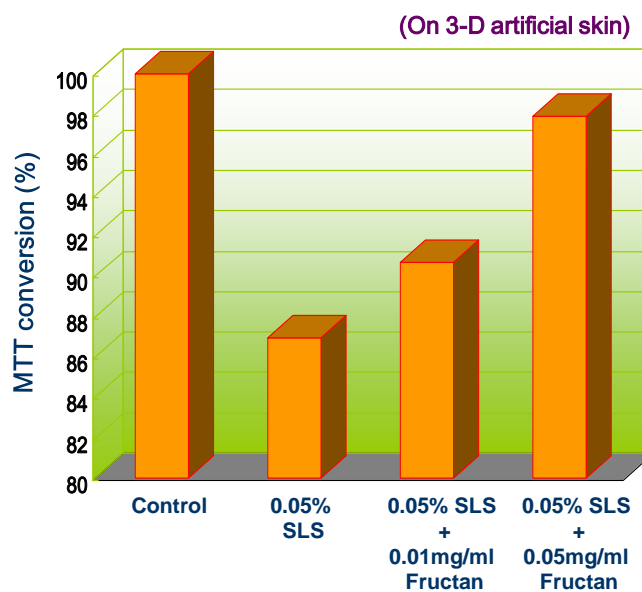


※ HA : Hyrulonic Acid

## ❖ Anti-Inflammatory Test



## ❖ Cell-Proliferation Test



## ❖ TEM picture of nanoparticles of Fructan (JEM1010, JEOL, JAPAN)

