

식물유래추출물 & 엑소좀

# Plant Callus Extract & Exosome

Tea Tree



# "Tea Tree" – Healing power of Australia's great nature

- It helps rapid recovery of damaged skin.
- It makes skin clear and clean.
- It strengthens skin barrier and protects skin from external stress.
- It prevents dryness by preventing moisture loss from skin surface.

- Scientific name : Melaleuca Alternifolia
- Export information : Available for export to China and Japan
- Package size : 1kg

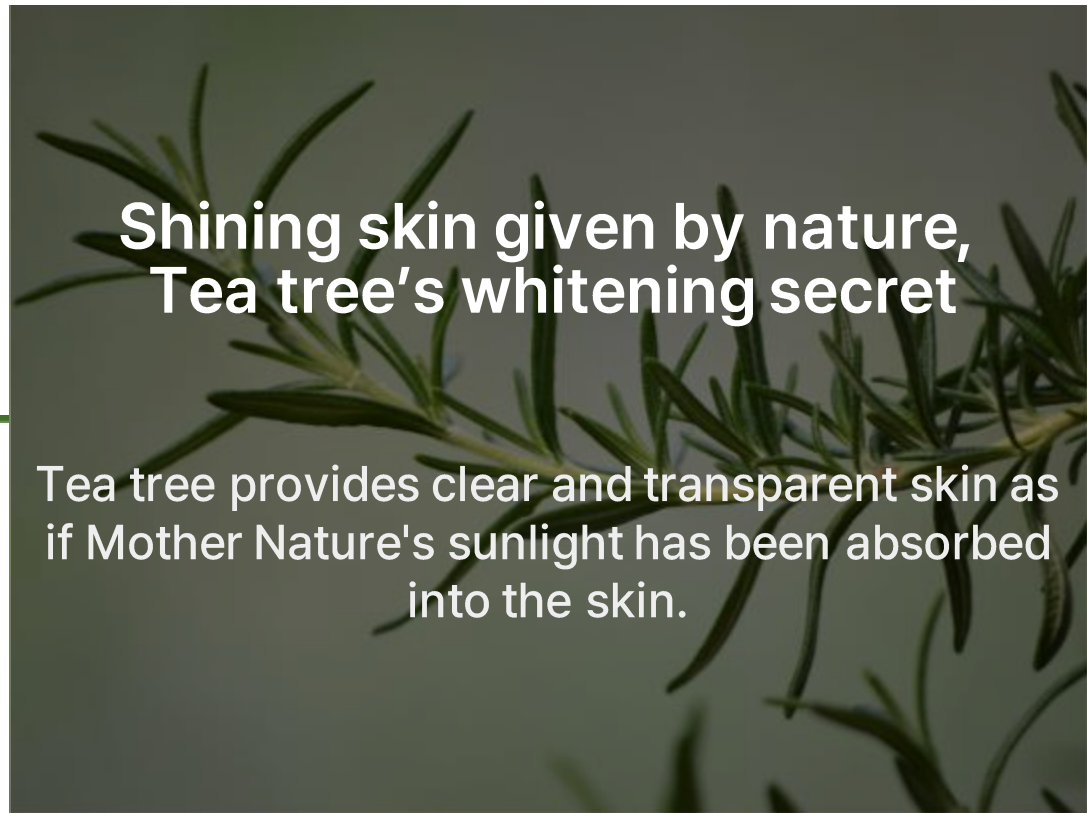
## KEY POINT

#Skin regeneration #Whitening #Skin barrier formation #Moisturizing



**Tea tree – Healing power of Australian indigenous wisdom**

Just as the Australian indigenous people used tea tree leaves to heal wounds and protect the skin, tea tree extract helps regenerate and restore damaged skin.



**Shining skin given by nature, Tea tree's whitening secret**

Tea tree provides clear and transparent skin as if Mother Nature's sunlight has been absorbed into the skin.



**A natural protective layer strengthening the skin barrier, along with deep moisturizing**

Tea tree has a powerful moisturizing effect and strengthens the skin barrier to protect the skin from environmental stress.

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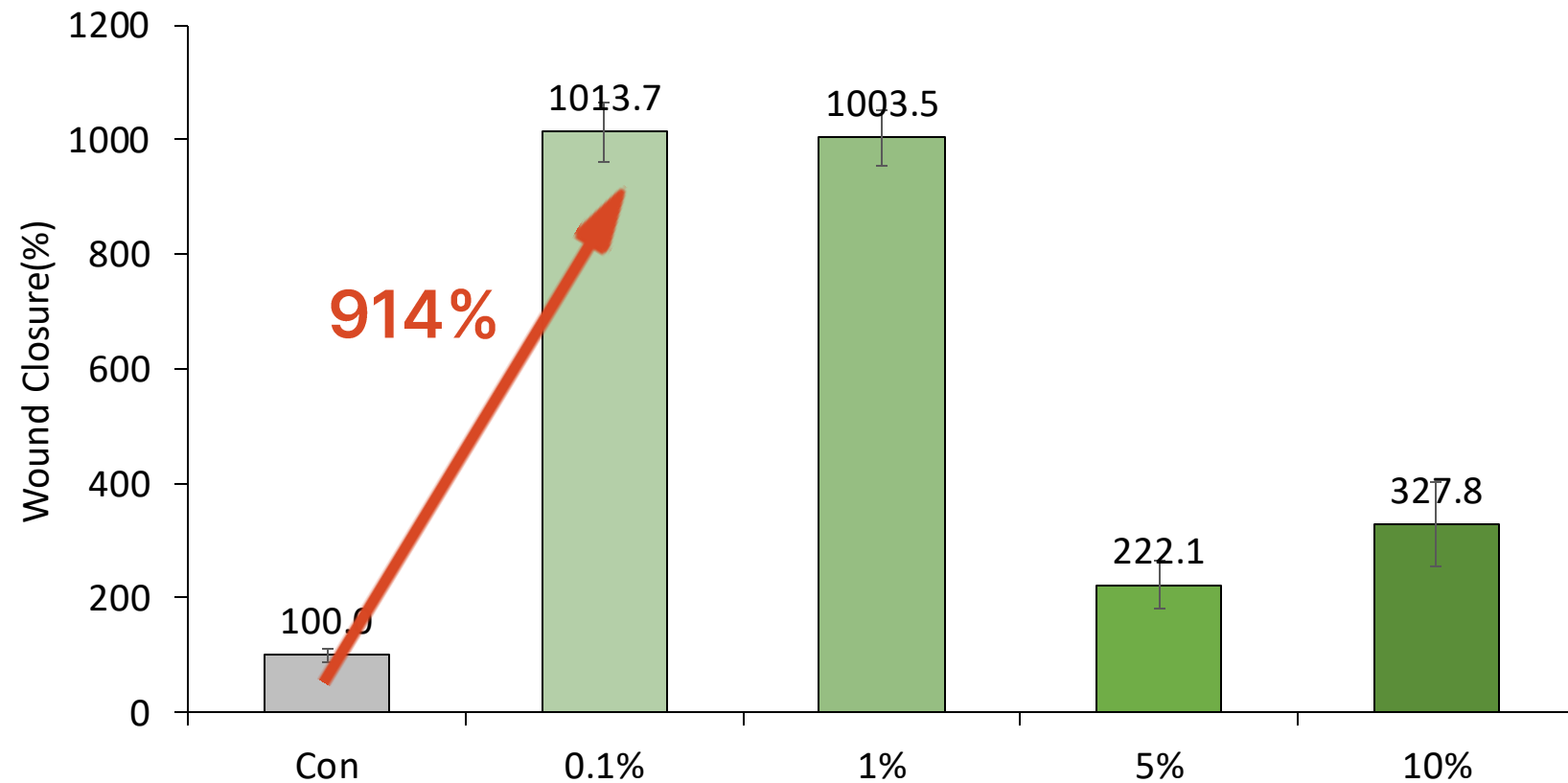
INCI : Melaleuca Alternifolia (Tea Tree) Extract

## Cellular efficacy of Tea Tree Extract

- Cell regeneration, Whitening, Anti-inflammation -

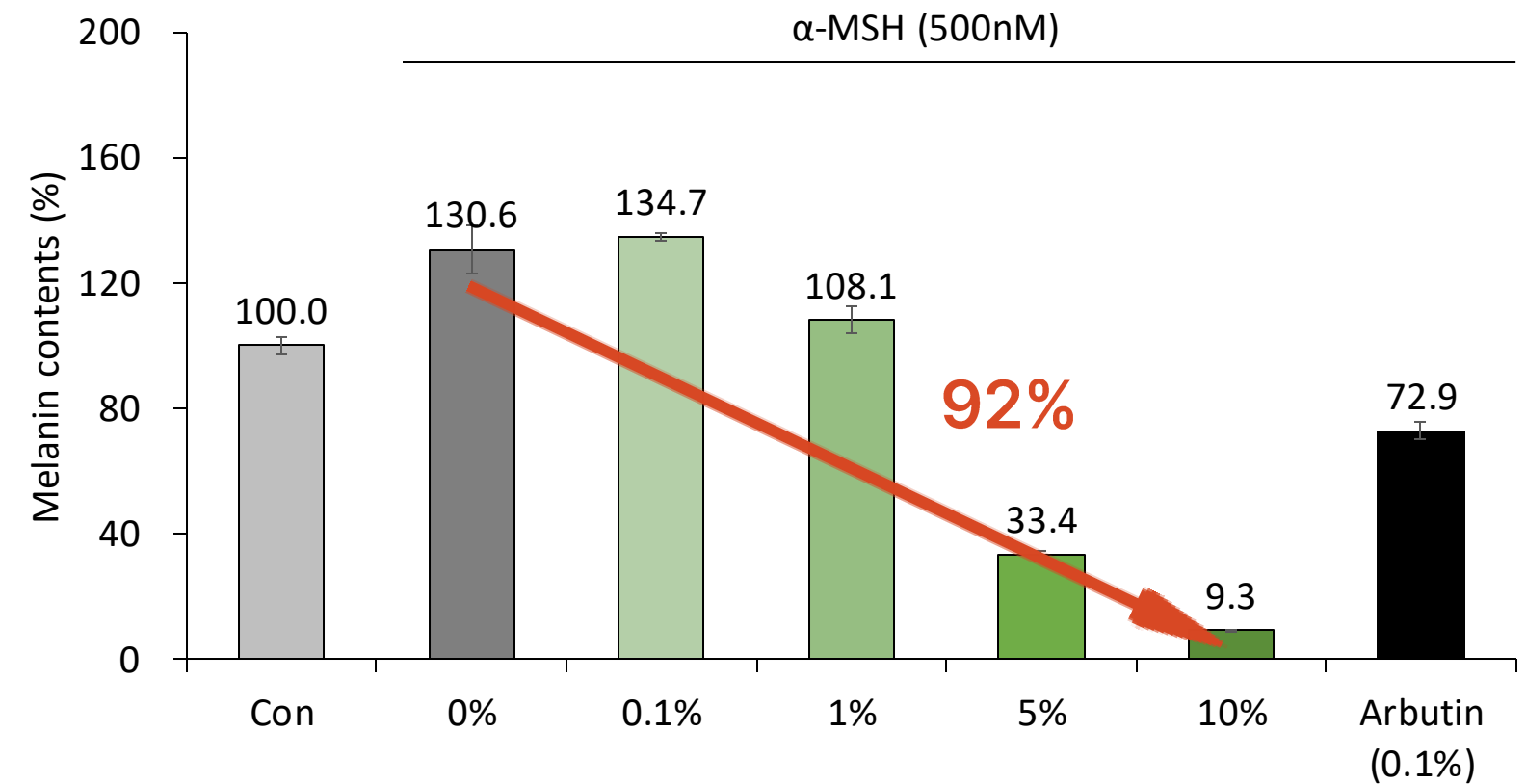
### Cell regeneration

When treated with Tea Tree extract on wounded cells, wound recovery increased by 914%



### Whitening

Tea Tree extract reduces the synthesis of melanin, the main cause of pigmentation, by 92%, making the skin bright and clean.



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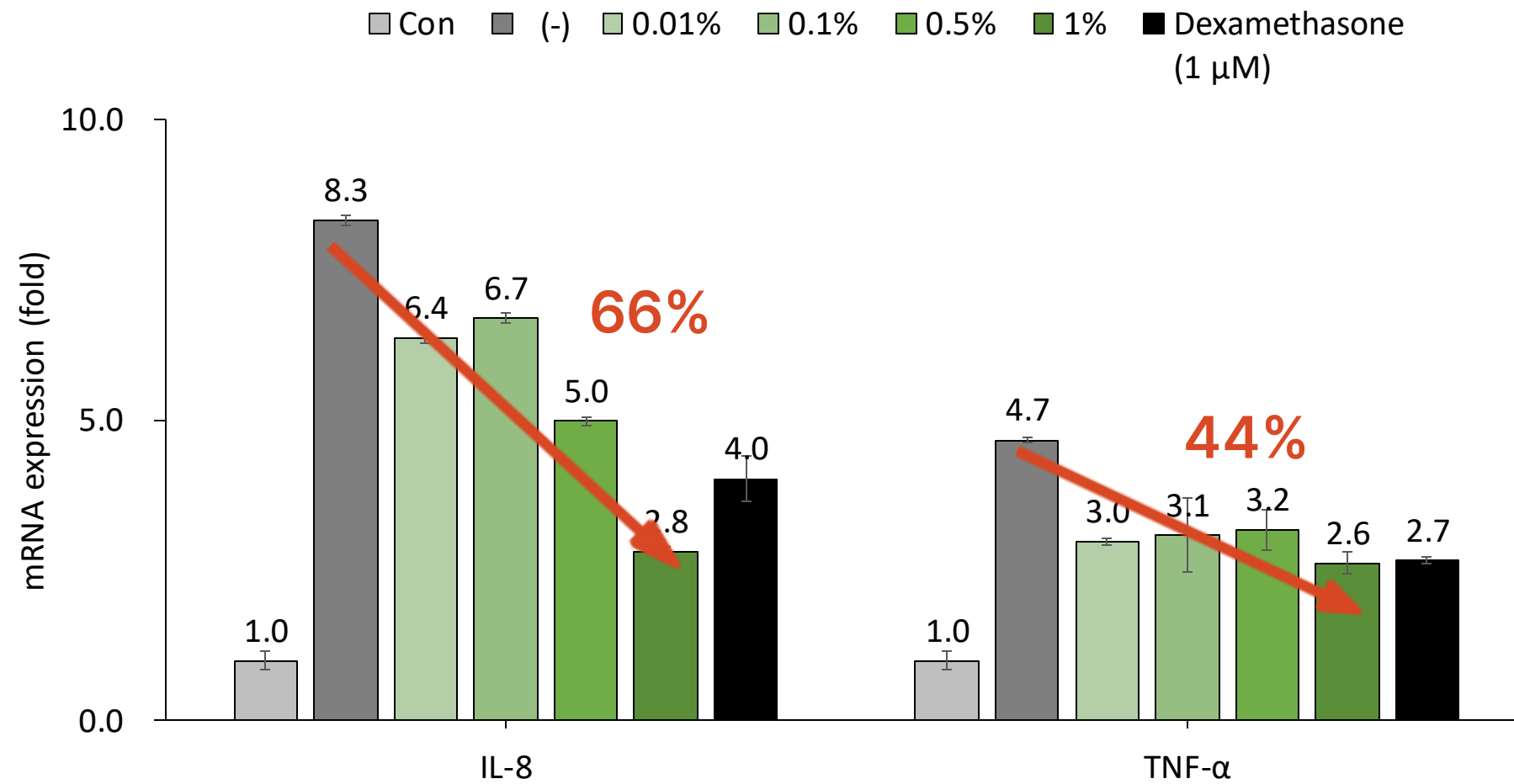
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## Cellular efficacy of Tea Tree Extract

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### ■ Anti-inflammation

Tea Tree extract soothes the skin by reducing the expression of inflammatory genes (IL-8, TNF- $\alpha$ ) by up to 66%.

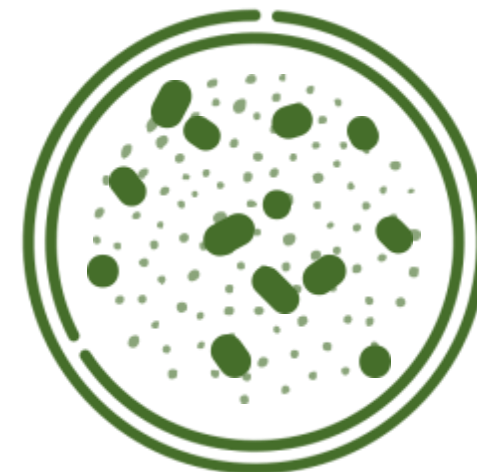


DASAN C&Tech's upgraded natural origin and skin-friendly technology

## "Plant-derived Exosome"

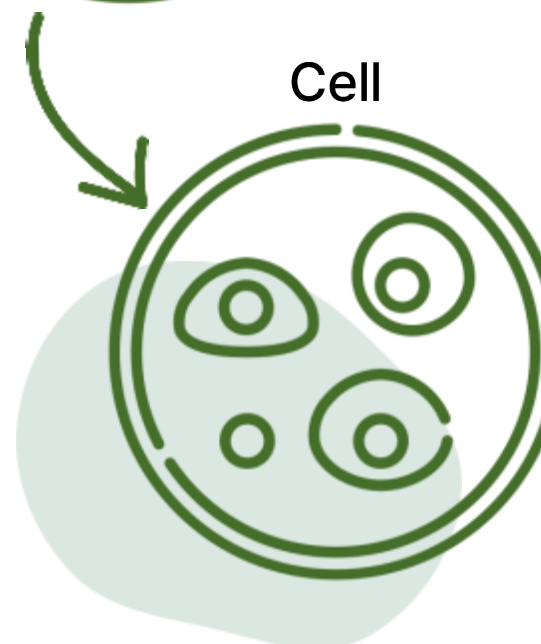
### Reasons for using plant-derived exosomes

Plant-derived exosome



#### ■ Raw materials with intact nutritional content

Unlike existing plant extracts that are extracted by applying heat, exosomes are made by processing the raw material as is, so the various nutrients are preserved without being destroyed and work on the skin.



Cell

#### ■ Increased absorption as a skin-friendly raw materials

Unlike traditional raw materials that struggle to pass through cell membranes and act on them, exosomes have a phospholipid bilayer structure similar to cell membranes, enhancing their penetration and absorption capabilities.

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# "Tea Tree Exosome"

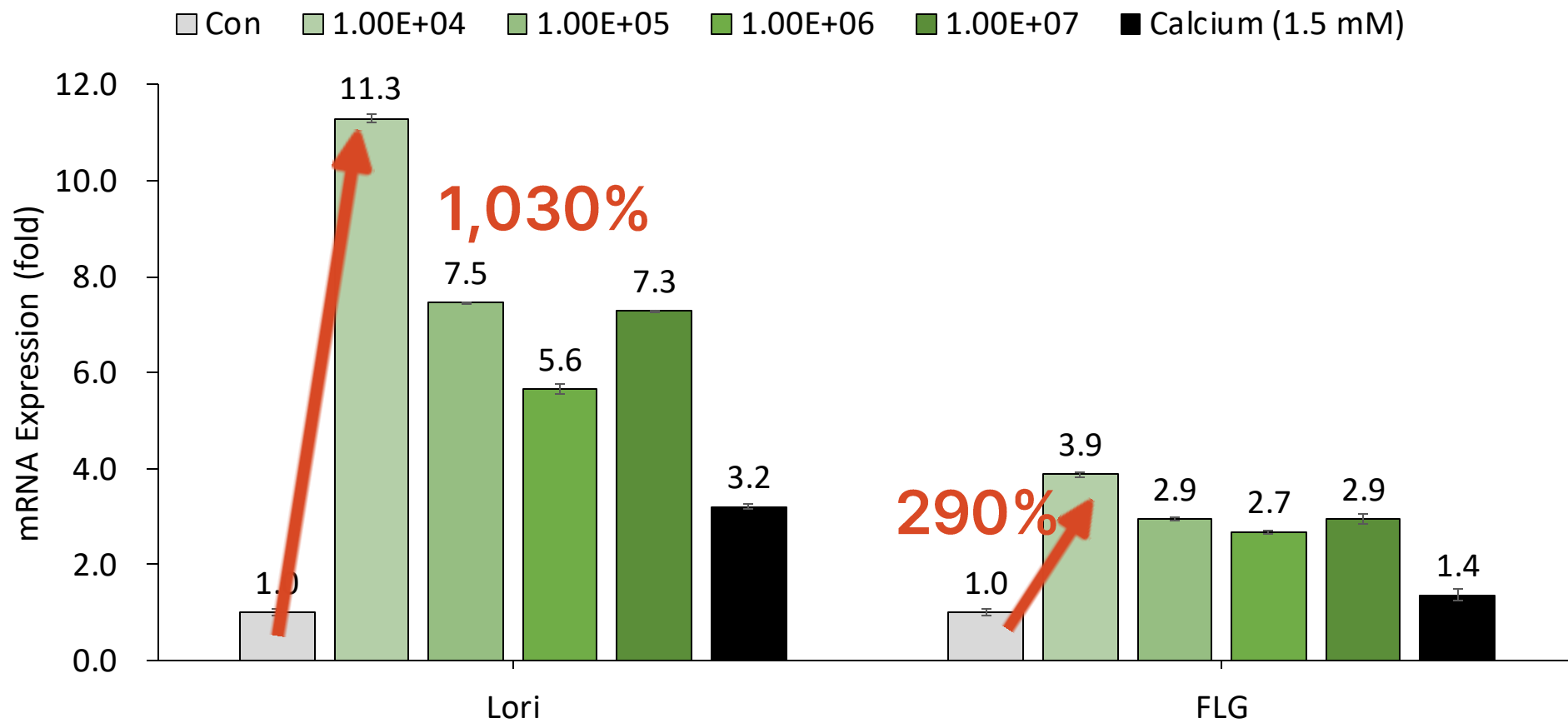
INCI : Melaleuca Alternifolia (Tea Tree) Extract

## Cellular efficacy of Tea Tree Exosome

- Skin barrier reinforcement, Moisturizing, Anti-inflammation, Hair loss prevention -

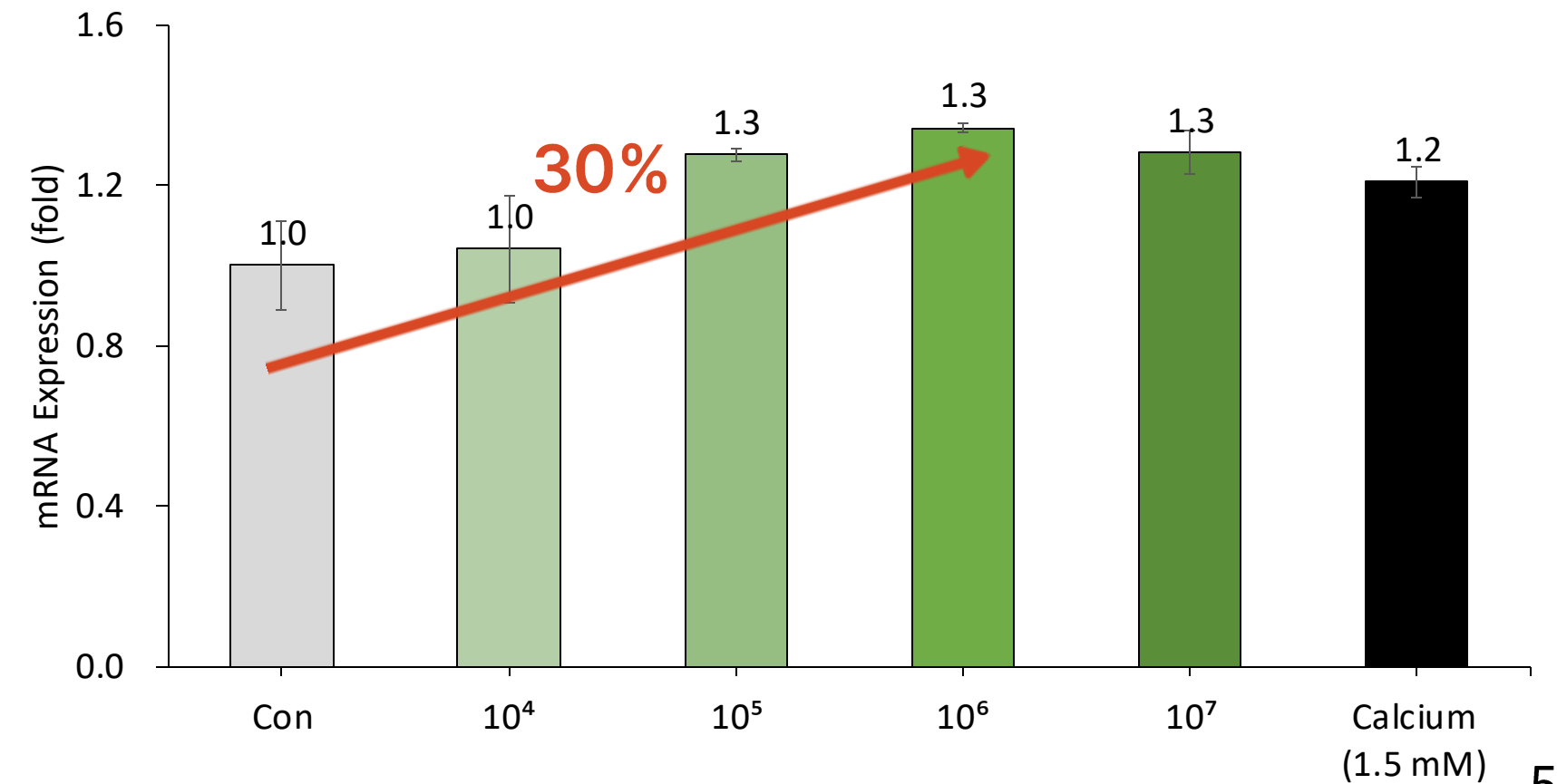
### ■ Skin barrier reinforcement

Tea Tree exosomes increase the expression of skin barrier genes (Lori, FLG) by up to 1,030%, protecting the skin and preventing moisture loss.



### ■ Moisturizing

Tea Tree exosomes increase the expression of genes (AQP3) for skin moisturizing by up to 30%, helping to absorb moisture from the outside of cells into the inside or preserve moisture.



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# "Tea Tree Exosome"

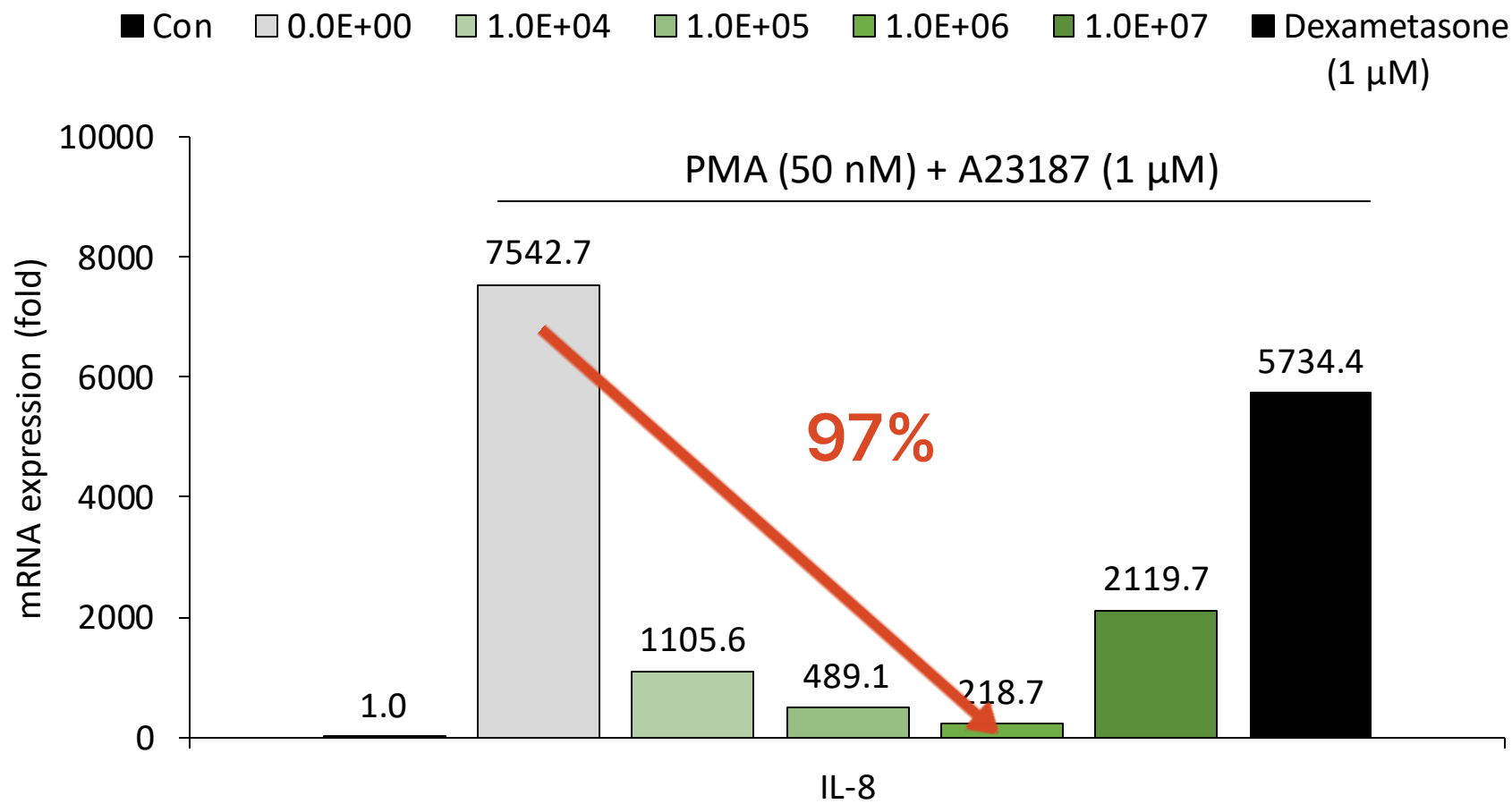
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## Cellular efficacy of Tea Tree Exosome

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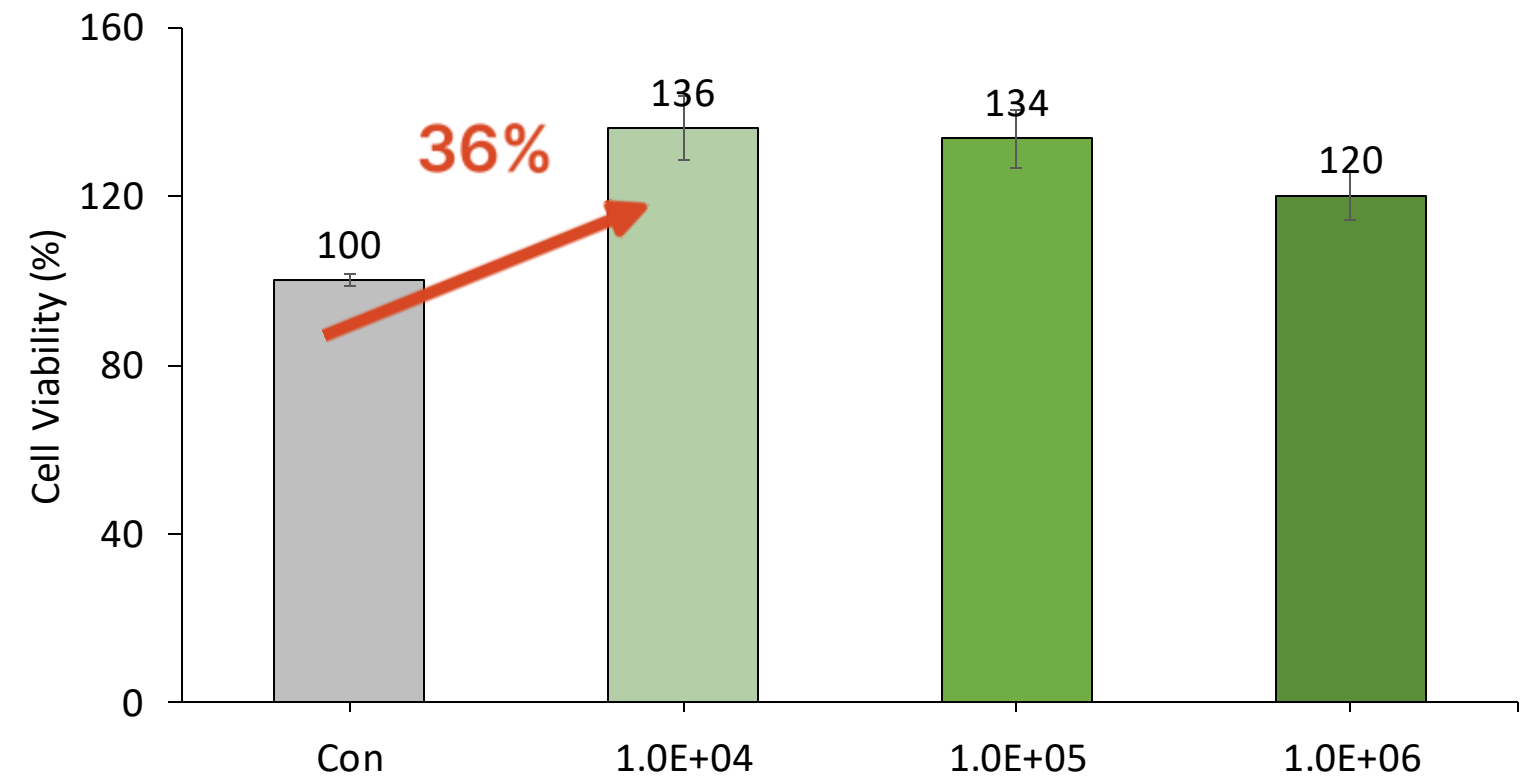
### ■ Anti-inflammation

Tea Tree exosomes soothe the skin by reducing the expression of inflammatory genes (IL-8) by up to 97%.



### ■ Protection of dermal papilla cells

Tea Tree exosomes protect the hair by increasing the proliferation of dermal papilla cells by 36%.



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## CONTACT US

