

ENGLISH

Return Solution In 4weeks.

Stem cell advanced anti-aging formula works effectively to target and eliminate the root cause of premature aging that is lack of hydration and loosening of skin epidermis. Stem cell helps preserve and increase the levels of collagen and elastin the two compounds responsible for fighting wrinkles and fine lines.



CELLONIC BOOSTER

Restores the natural vitality and health of the skin by protecting and vitalizing skin cells inside skin, and invests vitality and radiance that fill up from inside the skin by promoting skin turnover.

HOW TO USE:

Apply 1~2 drops after cleansing in the morning and evening, and let it get absorbed thoroughly. Can be used in any step, and it is okay to use alone or by mixing with other skin care products.

*After 4 weeks,
You can experience special feeling on your skin.*

Penetrates deep into the skin, improves elasticity and wrinkles, and restores healthy young skin by strengthening the skin barrier layer through proliferation of fibroblast.

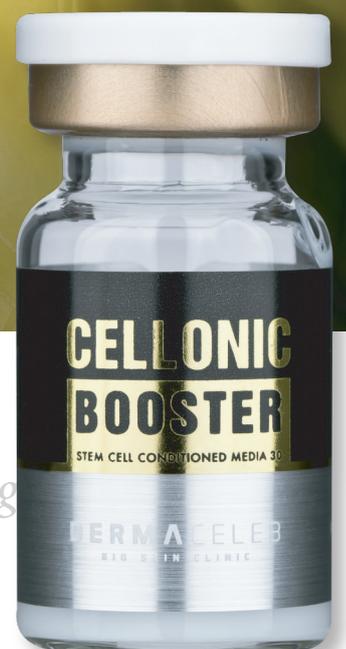
DERMACELEB
BIO SKIN CLINIC

AUTOLOGOUS ADIPOSE TISSUE DERIVED STEM CELL CULTURE MEDIUM

Autologous adipose tissue derived stem cell culture medium of Cellonic Booster is in charge of a key role in binding with growth factor and cell receptor as EGF, basic FGF, TGF- β 1, and collagen, an extracellular biopolymer, elastin, and hyaluronic acid activate aged, damaged, and degraded cells because they contain good amounts of a variety of cytokine enzyme that recovers tissues and bioactive substances as ECM and protein. Also, it has been clinically proven that it improves and prevents wrinkles by promoting biosynthesis and multiplying hypodermal and epidermal cells, and lightens skin by suppressing melanin. Also, cell regeneration, hair growth, and seedling effects have been reported.

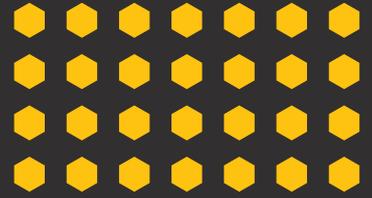


After 28 days, You can experience special feeling



CELLONIC BOOSTER

STEM CELL CONDITIONED MEDIA 30

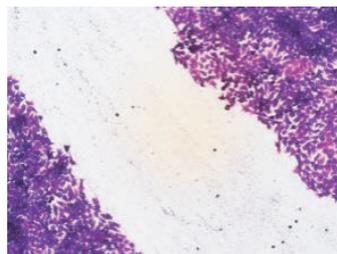


CELLONIC BOOSTER EFFECT.1

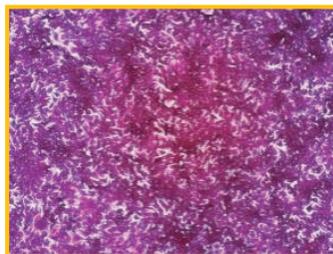
HEALING EFFECT ON SKIN WOUNDS AND REGENERATIVE EFFECT ON SKIN TISSUE

Stem cell culture medium is very effective for migration and proliferation of fibroblast, and wounds closed up completely when Cellonic Booster was processed on dermal fibroblast(HDF-neonatal). For cell proliferation effect, it was identified that it is more effective for epidermal keratinocyte than EGF(Epidermal Growth Factor).

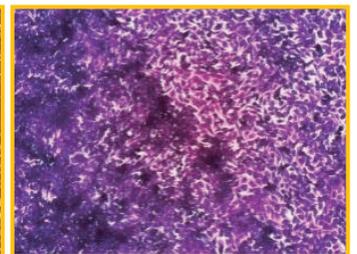
Not-treated control



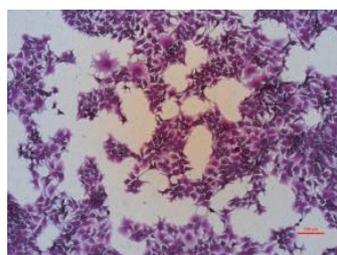
ADSC-CM 10%



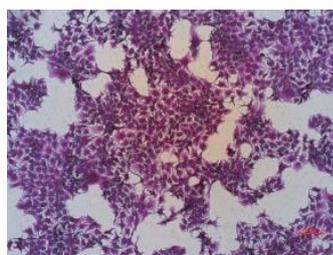
ADSC-CM 50%



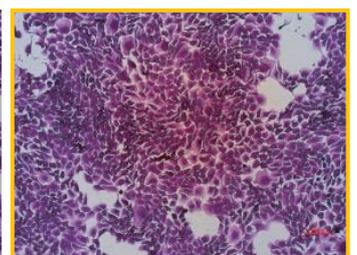
Not-treated control



EGF 2ng/ml



ADSC-CM 100%



CELLONIC BOOSTER

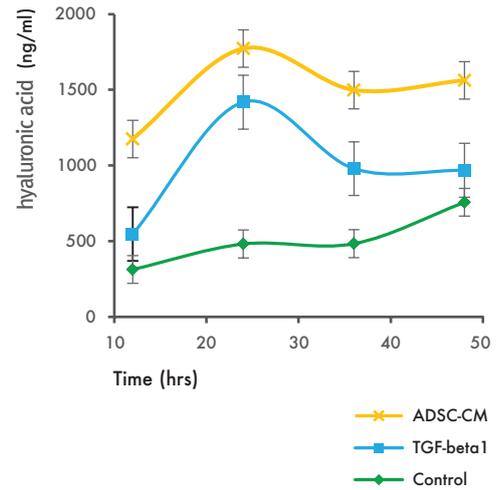
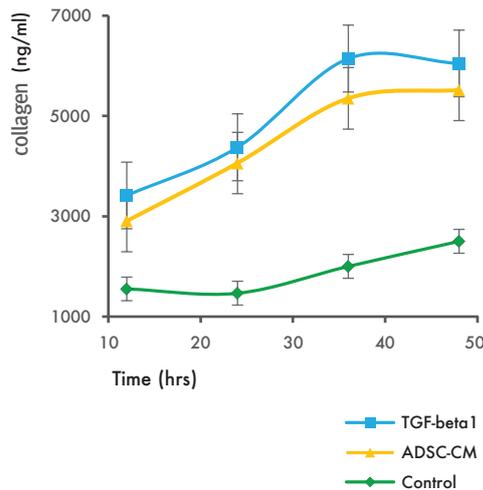
STEM CELL CONDITIONED MEDIA 30



CELLONIC BOOSTER EFFECT.2

PROMOTION EFFECT ON COLLAGEN AND HYALURONIC ACID EXPRESSION

Showed promotion effect of hyaluronic acid and collagen biosynthesis effect, and stem cell culture medium induced higher expression of hyaluronic acid and collagen than TGF- β , the positive control group when 12/24/36/48 hours of production of hyaluronic acid of negative control(unprocessed control group), positive control(TGF- β treatment group: growth factor that promotes expression of hyaluronic acid and collagen), and stem cell culture medium treatment group were measured.



CELLONIC BOOSTER

STEM CELL CONDITIONED MEDIA 30

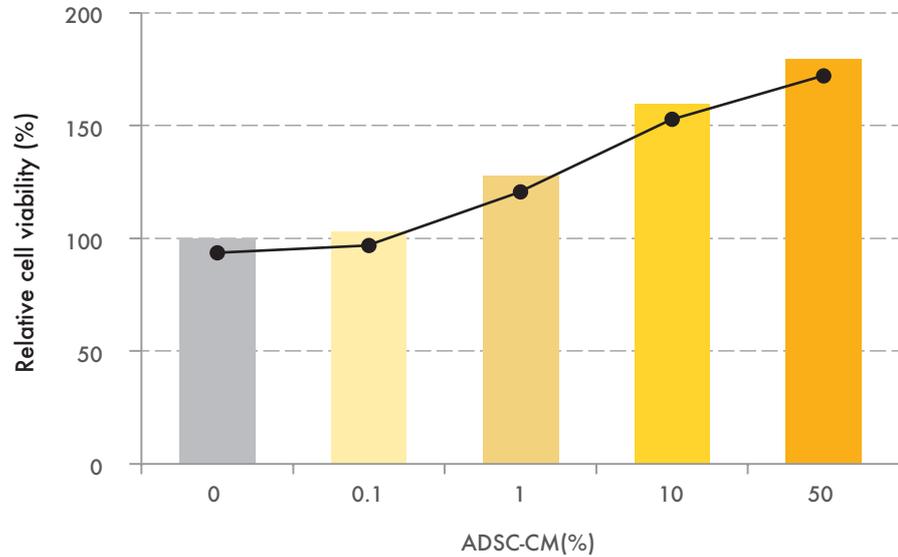


CELLONIC BOOSTER EFFECT.3



PROLIFERATION EFFECT ON DERMAL FIBROBLAST

Considerable multiplication of fibroblasts was identified according to the concentration of stem cell culture medium when Cellonic Booster was processed on dermal fibroblast.



ADSC-CM (%)					*HDF-neo, 48hr
0	0.1	1	10	50	

CELLONIC BOOSTER

STEM CELL CONDITIONED MEDIA 30



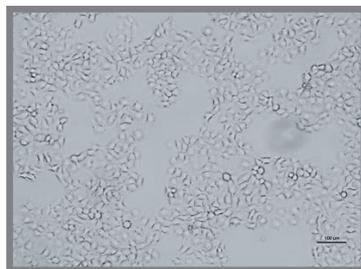
CELLONIC BOOSTER EFFECT.4



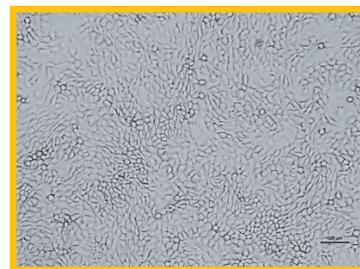
STRENGTHENING EFFECT ON SKIN BARRIER

Keratinocyte differentiation marker was investigated to see if Cellonic Booster protects skin barrier from skin damage and improves skin troubles, and showed a significant increase in stem cell culture medium treatment group for TGN-2.

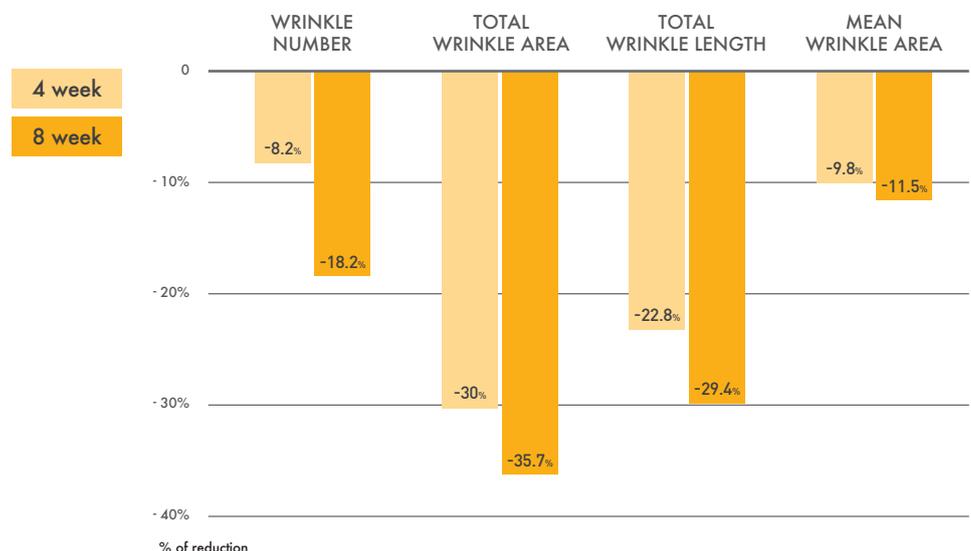
According to the result of observing cell morphology, proliferation of Keratinocyte as well as intercellular adhesion increased significantly in stem cell culture medium treatment group, and Cellonic Booster is expected to strengthen skin barrier in skin troubles as atopic or psoriatic skin.



No-treated control



ADSC-CM 50%



CELLONIC BOOSTER

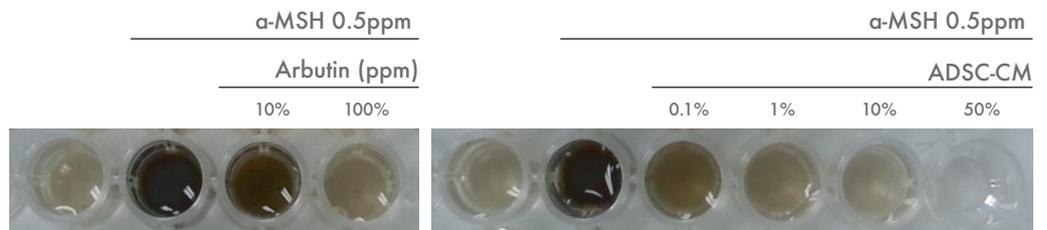
STEM CELL CONDITIONED MEDIA 30



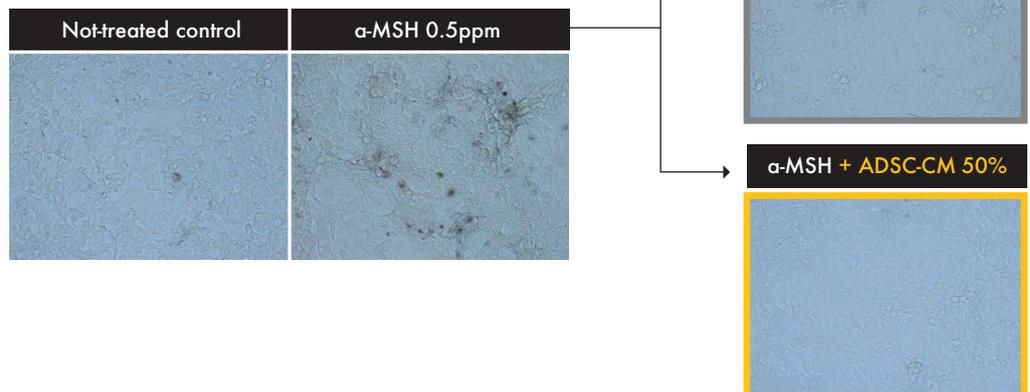
CELLONIC BOOSTER EFFECT.5

WHITENING EFFECT (INHIBITORY EFFECT ON MELANOGENESIS)

Whitening effect test of Cellonic Booster used B16F10 melanoma cell that produces melanin on the skin, stimulated melanin synthesis by force by adding melanocyte stimulating hormone(α -MSH) on melanoma cell, and processed albutin, a whitening material, and stem cell culture medium by concentration. As a result, it was identified that melanogenesis and whitening activity of stem cell culture medium are superior than albutin.



72 hr_200X



CELLONIC BOOSTER

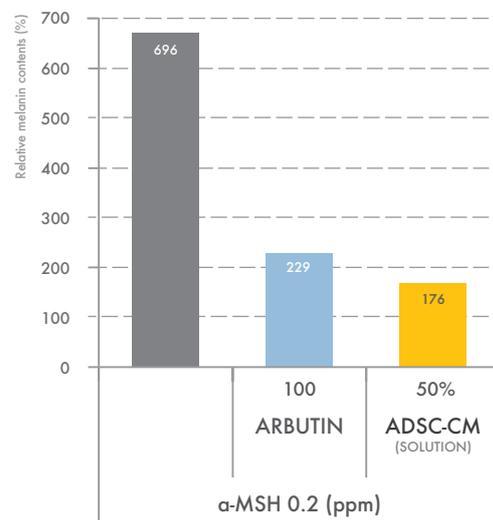
STEM CELL CONDITIONED MEDIA 30



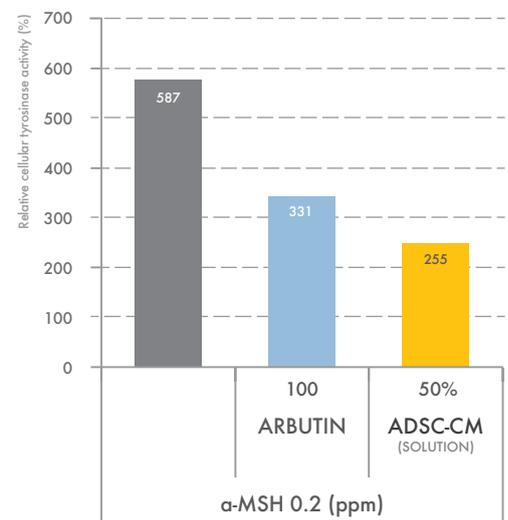
CELLONIC BOOSTER EFFECT.6

WHITENING EFFECT (INHIBITORY EFFECT ON MELANOGENESIS AND TYROSINASE)

Melanin figure and tyrosinase enzyme activity, a core enzyme of melanin synthesis process, were measured to identify whitening function of stem cell culture medium, and melanin and tyrosinase suppressive activity of stem cell culture medium was identified to be more excellent than albutin.



INHIBITORY EFFECT ON MELANOGENESIS



INHIBITORY EFFECT ON TYROSINASE



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