

EXOSOME

by BENEV

THE NEXT SMALL THING...NANOPARTICLES OFFERING A NEW FUTURE



EXOSOME REGENERATIVE COMPLEX

For Skin



EXOSOME REGENERATIVE COMPLEX +

For Skin & Scalp

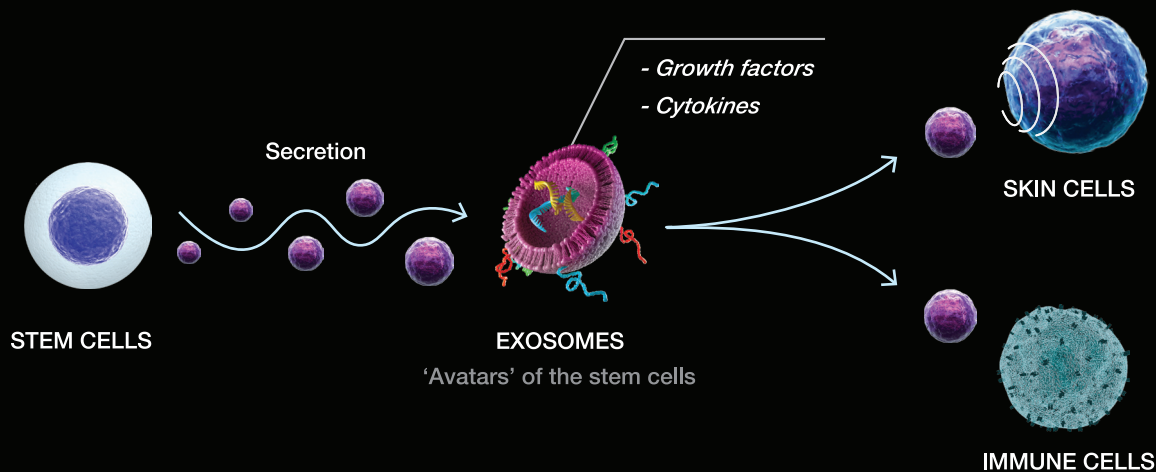


EXO Balm

Exosome Post-Care Optimizing Balm



SCIENCE AND TECHNOLOGY



WHAT ARE EXOSOMES?

BENEV Exosome treatments are based on the most cutting edge scientific biotech breakthrough for skin rejuvenation and regeneration. Exosomes are responsible for cell to cell communication and for facilitating the exchange of RNA and other important proteins between cells (e.g. fibroblasts, keratinocytes, immune cells, etc.), in addition to transferring numerous growth factors and cytokines and genetic materials that have shown signs of tissue repair and improving skin cells. These data coding avatars have been harnessed for our new line of exosome products to promote a more radiant youthful appearance.

WHAT IS ExoSCRT™

Exosome, an 30~200 nm endoplasmic reticulum that is secreted for cell-to-cell communication, plays an important role in influencing the micro environment around cells, ExoSCRT™ is an innovative technology to separate and refine 0.1% pure exosomes from stem cells and helps the visualization of natural skin energy by affecting skin cells effectively.

FDA REGULATORY COMPLIANCE

BENEV Exosome products are post care "topical use" cosmetic solutions. The isolated and purified exosomes in Exosome products have been accepted by the PCPC, and International Cosmetic Ingredient Nomenclature Committee (INC), and the name 'Human Adipose Stromal Cell Exosomes' was given and published in the International Cosmetic Ingredient Dictionary and Handbook, known as INCI book. There are at this time no other cosmetic INCI name(s) assigned to exosome products in the market prior to this accomplishment. These products are not drug products. They are not intended to prevent, treat or cure diseases or medical conditions. They are not intended to be injected or delivered intravenously.

PROVEN BY

45 PATENTS

7 U.S. PATENTS

13 PUBLISHED PAPERS

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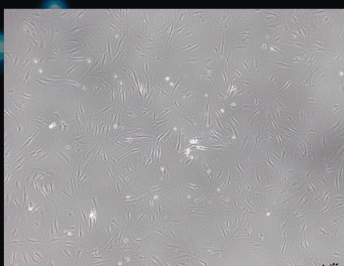
IN VITRO TESTING

IN VITRO TESTING

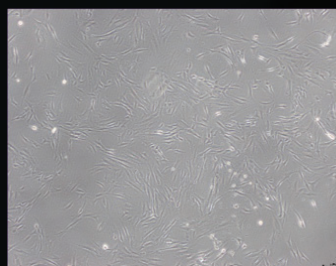
HUMAN FIBROBLAST CELL PROLIFERATION

BENEV Exosome products powered by ExoSCRT™ promotes skin cell proliferation by up to 80% in a dose-dependent manner. ExoSCRT™ 3 µg/ml 36.1% increase, ExoSCRT™ 6 µg/ml 84.0% increase, compared against positive control (1% GS).

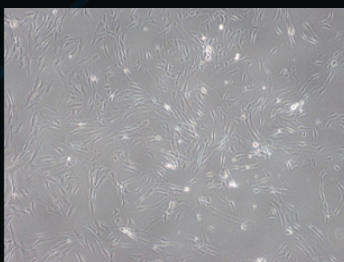
NEGATIVE CONTROL



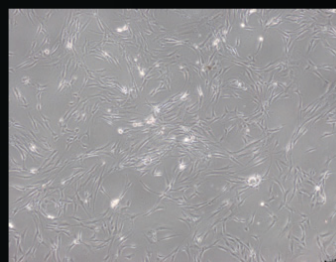
1% GROWTH SUPPLEMENTS



1% GS + ERC 3 µG/ML

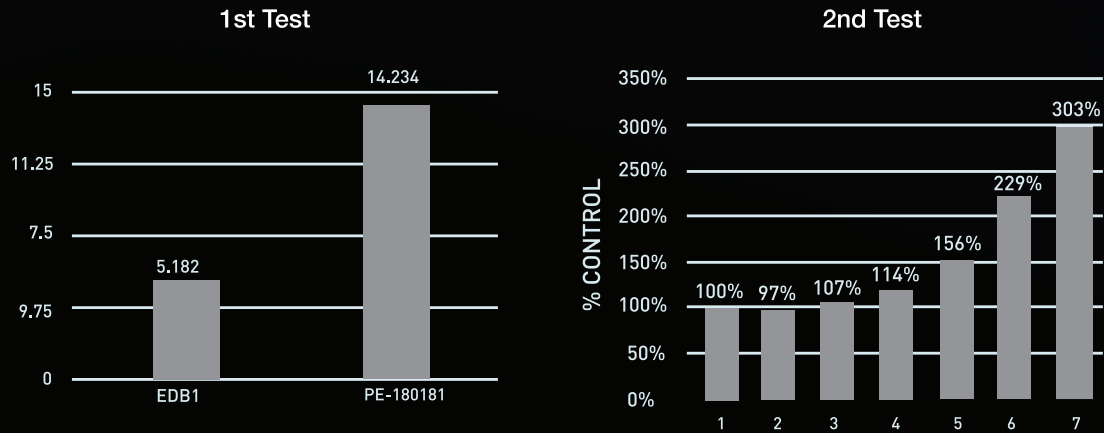


1% GS + ERC 6 µG/ML



ELASTIN INCREASE BY ExoSCRT™

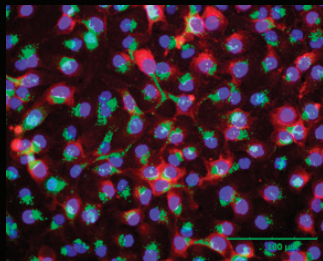
BENEV Exosome products powered by ExoSCRT™ may increase the elastin amount of human dermal fibroblasts up to 300% in vitro.



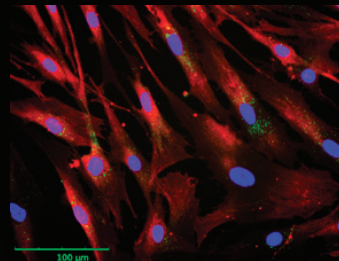
CELLULAR UPTAKE OF EXOSOMES BY ExoSCRT™

Human skin cells easily uptake BENEV Exosome products powered by ExoSCRT™ which means that stem cell-derived exosomes can message skin cells to “Do Something”.

HACAT HUMAN KERATINOCYTES



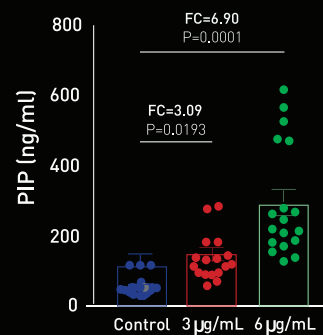
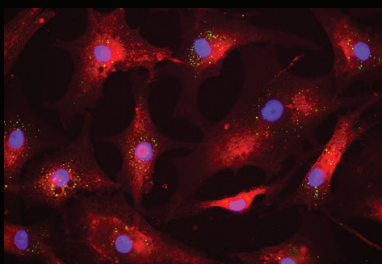
HDF HUMAN DERMAL FIBROBLAST



COLLAGEN INCREASE BY ExoSCRT™

After delivery of BENEV Exosome products powered by ExoSCRT™ into fibroblasts, neocollagenesis can increase up to 6 folds.

CELLULAR UPTAKE OF EXOSOMES
HUMAN DERMAL FIBROBLAST



PUBLICATIONS

- 01




11/07/18

Exosomes derived from human adipose tissue-derived mesenchymal stem cells alleviate atopic dermatitis

 - Adipose stem cell derived exosome's efficacy in improving atopic dermatitis
 - The possibility of ExoSCRT™ Exosome's function as a cure for atopic dermatitis has been confirmed
- 02



19/01/20

Advances in Analysis of Biodistribution of Exosomes by Molecular Imaging

 - A review and prospect of advances in analysis of biodistribution of exosomes
- 03




10/03/20

Exosomes from Human Adipose Tissue-Derived Mesenchymal Stem Cells Promote Epidermal Barrier Repair

 - Adipose stem cell derived exosome's efficacy in regenerating skin barrier
 - Join research with the world's first researcher of skin barrier – Peter M. Elias (UCSD) and his team
- 04




07/05/20

Mesenchymal Stem Cell-Derived Exosomes for Immunomodulatory Therapeutics and Skin Regeneration

 - Prospect of stem cell exosome's efficacy in skin regeneration / immunomodulation
 - Introduction of ExoCoBio's technology (ExoSCRT™) / product (ASCE™ and ASCE+™)
- 05



14/05/20

Toxicological evaluation of exosomes derived from human adipose tissue-derived mesenchymal stem/stromal cells

Safety of adipose stem cell derived exosome's skin application for the first time
- 06



19/10/20

Combination Treatment with Human Adipose Tissue Stem Cell derived Exosomes and Fractional CO2 Laser for Acne Scars: A 12-week Prospective, Double-blind, Randomized, Split-face Study

 - Clinical study on adipose stem cell derived exosome: improving of acne appearance
 - The possibility of ExoSCRT™ as an innovative solution for acne scars

07

MDPI, Creative Commons Attribution 

11/11/20

**Skin-Brightening Efficacy of Exosomes Derived from Human Adipose Tissue-Derived Stem/Stromal Cells:
A Prospective, Split-Face, Randomized Placebo-Controlled Study**

- Adipose stem cell derived exosome's efficacy in brightening
- Clinical study with split-faced, double blind, randomized evaluation

08

JCD, Journal of Cosmetic Dermatology 

04/29/21

**Exosomes derived from human adipose tissue-derived mesenchymal stem cells for the treatment of
dupilumab-related facial redness in patients with atopic dermatitis**

- Clinical trial on the effectiveness of ExoSCRT™ Exosome as treatment of facial redness related to dupilumab, a product for patients with atopic dermatitis.

To see and read more clinical papers scan the QR Code below



SCAN ME

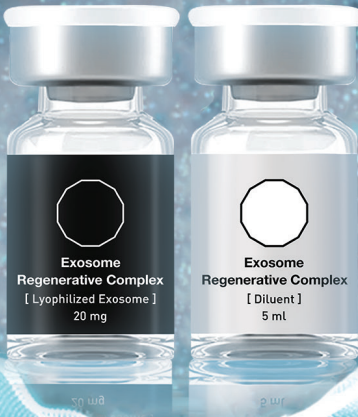


EXOSOME REGENERATIVE COMPLEX

Breakthrough Technology

Clinically Proven

Intensive Dual Action



EXOSOME

REGENERATIVE COMPLEX

For Skin

EXOSOME REGENERATIVE COMPLEX

POST TREATMENT & PROFESSIONAL USE ONLY

Exosome Regenerative Complex is an intensive dual-action complex formulated to absorb quickly into the skin delivering the concentrated power of STEM CELL DERIVED LYOPHILIZED EXOSOMES, potent GROWTH FACTORS, PEPTIDES, COENZYMES, MINERALS, AMINO ACIDS, and VITAMINS. Our paraben-free, steroid-free, and hypoallergenic patented technologies and ingredients are clinically proven to rejuvenate and regenerate the skin.



SCAN ME FOR
DIRECTIONS

ADVANCED INGREDIENTS

Exosome
3 Humectants

16 Growth Factor + Peptides
19 Amino Acids

1 Vitamin
4 Coenzymes

5 Minerals

LYOPHILIZED EXOSOME | 20 MG

EXOSOME

Human Adipose Stromal Cell Exosome

GROWTH FACTORS + PEPTIDES

sh-Oligopeptide-1
sh-Oligopeptide-2
sh-Polypeptide-1
sh-Polypeptide-3
sh-Polypeptide-22
Acetyl Hexapeptide-8
Copper Tripeptide-1
Nonapeptide-1
Palmitoyl Pentapeptide-4
Palmitoyl Tetrapeptide-7
Palmitoyl Tripeptide-1
Glutathione

COENZYMES

Thiamine Diphosphate
Coenzyme A
Nicotinamide Adenine Dinucleotide
Disodium Flavin Adenine Dinucleotide

AMINO ACIDS

Arginine
Lysine HCl
Valine
Histidine
Leucine
Isoleucine
Phenylalanine
Serine
Threonine
Proline
Methionine
Glutamine
Alanine
Tryptophan
Tyrosine
Aspartic Acid
Glycine
Glutamic Acid
Ornithine HCl

HUMECTANTS

Trehalose
Mannitol

VITAMIN

Ascorbic Acid

MINERALS

Magnesium Sulfate
Potassium Chloride

DILUENT | 5 ML

GROWTH FACTORS + PEPTIDES

sh-Decapeptide-7
sh-Octapeptide-4
sh-Oligopeptide-9
sh-Pentapeptide-5

AMINO ACIDS

Alanine
Arginine
Lysine HCl
Valine
Histidine
Leucine
Isoleucine
Phenylalanine
Serine
Threonine
Proline

HUMECTANT

Sodium Hyaluronate

MINERALS

Sodium Chloride
Disodium Phosphate
Sodium Phosphate
Potassium Chloride

EXOSOME REGENERATIVE COMPLEX +

More Powerful

More Potent

Faster Results



EXOSOME

REGENERATIVE COMPLEX +

For Skin & Scalp

EXOSOME REGENERATIVE COMPLEX +

POST TREATMENT & PROFESSIONAL USE ONLY

Our clinically proven paraben free and hypoallergenic intensive dual action complex is designed to absorb quickly into the skin delivering the concentrated power of STEM CELL DERIVED LYOPHILIZED EXOSOMES, potent GROWTH FACTORS, PEPTIDES, COENZYMES, MINERALS, AMINO ACIDS, VITAMINS, and irritation reduction agents to rejuvenate, and intensely moisturize the skin and scalp.



SCAN ME FOR
DIRECTIONS

ADVANCED INGREDIENTS

Exosome
3 Humectants

15 Growth Factor + Peptides
19 Amino Acids

2 Vitamins
4 Coenzymes

5 Minerals

LYOPHILIZED EXOSOME | 20 MG

EXOSOME

Human Adipose Stromal Cell Exosome

GROWTH FACTORS + PEPTIDES

sh-Oligopeptide-1
sh-Oligopeptide-4
sh-Polypeptide-4
sh-Polypeptide-9
sh-Polypeptide-13
sh-Polypeptide-58
sh-Polypeptide-62
sh-Polypeptide-3
sh-Oligopeptide-2
Caffeoyl sh-Octapeptide-4
Copper Tripeptide-1

COENZYMES

Thiamine Diphosphate
Coenzyme A
Nicotinamide Adenine Dinucleotide
Disodium Flavine Adenine Dinucleotide

AMINO ACIDS

Arginine
Lysine HCl
Valine
Histidine
Leucine
Isoleucine
Phenylalanine
Serine
Threonine
Proline
Methionine
Glutamine
Alanine
Tryptophan
Tyrosine
Aspartic Acid
Glycine
Glutamic Acid
Ornithine HCl

HUMECTANTS

Trehalose
Mannitol

VITAMINS

Biotin
Ascorbic Acid

MINERALS

Magnesium Sulfate
Potassium Chloride

DILUENT | 5 ML

GROWTH FACTORS + PEPTIDES

sh-Decapeptide-7
sh-Octapeptide-4
sh-Oligopeptide-9
sh-Pentapeptide-5

AMINO ACIDS

Alanine
Arginine
Lysine HCl
Valine
Histidine
Leucine
Isoleucine
Phenylalanine
Serine
Threonine
Proline

HUMECTANT

Sodium Hyaluronate

MINERALS

Sodium Chloride
Disodium Phosphate
Sodium Phosphate
Potassium Chloride

COMPARISON CHART

EXOSOME

REGENERATIVE COMPLEX

SKIN

- ✓ Noticeably reduces the appearance of age related pigment
- ✓ Visibly makes skin appear firmer and more youthful
- ✓ Visibly reduces the appearance of fine lines and wrinkles
- ✓ Hydrates and nourishes skin
- ✓ Promotes a more radiant and even toned complexion

CLINICALLY PROVEN

INTENSIVE
DUAL ACTION

BREAKTHROUGH
TECHNOLOGY



EXOSOME

REGENERATIVE COMPLEX +

SKIN

- Noticeably reduces the appearance of age related pigment ✓
- Visibly makes skin appear firmer and more youthful ✓
- Visibly reduces the appearance of fine lines and wrinkles ✓
- Hydrates and nourishes skin ✓
- Promotes a more radiant and even toned complexion ✓

SCALP

- Hydrates and nourishes the scalp ✓
- Promotes a healthy hair growth cycle ✓
- Visibly makes hair look and feel softer, shinier, and fuller ✓
- Noticeably reduces hair shedding ✓

MORE POWERFUL

MORE POTENT

FASTER RESULTS

EXO BALM



EXO Balm

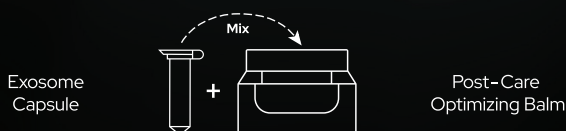
Exosome Post-Care Optimizing Balm

EXO Balm

POST TREATMENT & HOME CARE USE

Our clinically proven intensive dual-action post-care optimizing balm is designed to quickly absorb into the skin delivering the concentrated power of exosomes and intensive hydrators to optimize treatment results and reduce downtime.

DIRECTIONS



Step 1: Combine Exosome Capsule (No.1) into Post-Care Optimizing Balm (No.2). Mix thoroughly with the enclosed spatula.

Step 2: Cleanse skin thoroughly and dry it completely.

Step 3: Apply EXO Balm to the skin in the morning and evening as needed.

Step 4: Follow with sun protection as specified by your Medical Provider.

ADVANCED INGREDIENTS



No. 1

Exosome Capsule



No. 2

Post-Care Optimizing Balm

EXOSOME CAPSULE | 20 MG

EXOSOME

Human Adipose Stromal Cell Exosomes
Rose Stem Cell Exosome

GROWTH FACTORS + PEPTIDES

sh-Oligopeptide-1	Pentapeptide-4
sh-Oligopeptide-2	Hexapeptide-8
sh-Polypeptide-1	Nonapeptide-1
sh-Polypeptide-3	Palmitoy Pentapeptide-7
sh-Polypeptide-76	Palmitoyl Tetrapeptide-7
	Palmitoyl Tripeptide-1

AMINO ACIDS

Lysine	Serine
Methionine	Tryptophan
Glutamic Acid	Glutathione
Histidine	

HUMECTON

Sodium Hyaluronate
Trehalose
Mannitol

VITAMINS & MINERALS

Coenzyme A
Disodium Flavine Adenine Dinucleotide (FAD)
Nicotinamide Adenine Dinucleotide (NAD)
Biotin
Ascorbic Acid
Cyanocobalamin
Magnesium Sulfate
Potassium Chlorine
Water

POST-CARE OPTIMIZING BALM | 20 ML

SKIN BARRIER SUPPORT

Ethyl Ascorbyl Ether	Sodium Hyaluronate
Tranexamic Acid	D Panthenol
Niacinamide	Ceramide NP
Squalane	+ More

SKIN BRIGHTENING

Tranexamic Acid
Niacinamide
Ethyl Ascorbyl Ether

SKIN SMOOTHING

Madecassoside
Allantoin
Hydroxyphenyl Propamidobenzoic Acid
+ More

BEFORE & AFTER

PROCEDURE BASED RESULTS

EXOSOME REGENERATIVE COMPLEX

POST RF MICRONEEDLING

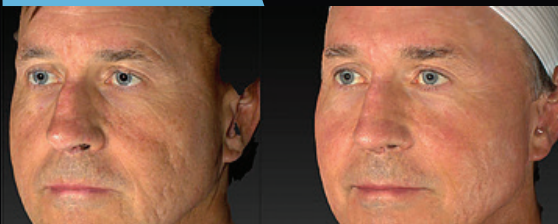


Before

After

Photo Provided by: Dr. JD McCoy, NMD

POST PLASMA



Before

After

Photo Provided by: Dr. JD McCoy, NMD

POST ERBIUM LASER



Before

After

Photo Provided by: Dr. Diane Duncan, MD., F.A.C.S

EXOSOME APPLICATION ONLY



Before

After

Photo Provided by: Lauren Olson, PA-C

EXOSOME REGENETIVE COMPLEX +

POST RF MICRONEEDLING



Before

After

Photo Provided by: Dr. Gohar Abrahamyan, MS, PA-C

POST RF MICRONEEDLING



Before

After

POST RF MICRONEEDLING



Before

After

Photo Provided by: Jessica Christy, PA-C

POST MICRONEEDLING



Before

After

Photo Provided by: Macey Mitchell

BEFORE & AFTER
PROCEDURE BASED RESULTS

EXO BALM
Exosome Post-Care Optimizing Balm for home-care use*



Before *After*
Photo Provided by: Dr. Diane Duncan, MD, FACS



Before *After*
Photo Provided by: Dr. Shameema Damree, MD

* Treatment before and after includes in-clinic application of BENEV Exosome.



EXOSOME

by BENE V

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