AETER™

FDA

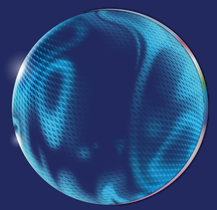
CPNP

AETER™ PURI EYES

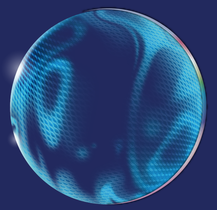
—

AETER™ PURI EYES PDRN PATCH

Language EN



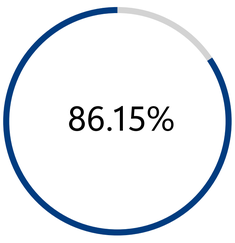
AETER™ PURI EYES PDRN PATCH



AETER™ PURI EYES

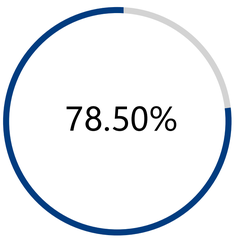
WEDERM
ALL ABOUT DERMA

Check Elasticity
with numbers



RECOVERY

Dermal cell wounds were closed more than 86%



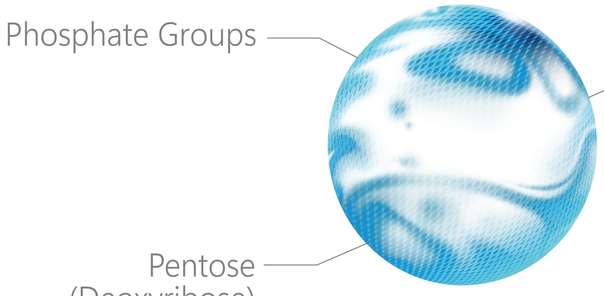
LIFTING

Lifting effect by improving density by dermal cell proliferation

- **Wrinkle Reduction**
- **Skin Rejuvenation**
- **Skin Tone & Density**
- **Skin Moisturizing**
- **Pore Tightening**
- **Skin Elasticity Improvement**

Approach skin as a Cure
not a beauty

PN
DNA polymer



Activate cell secretion

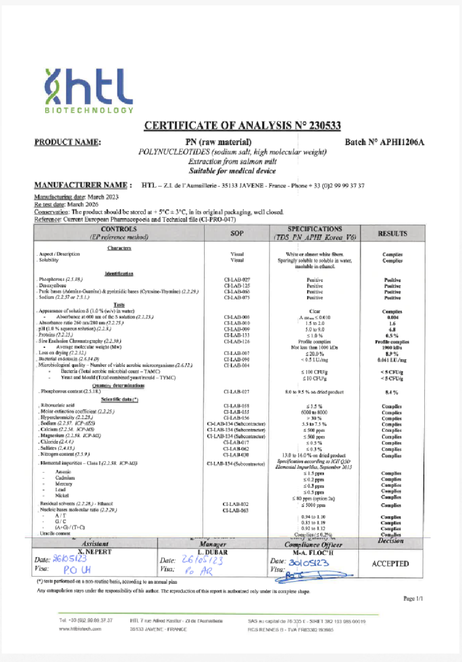
- IL-10 Cytokine
- EGF
- FGF
- IGF
- VEGF-A

Medical grade Polynucleotide(PN) stimulates wound recovery by boosting the growth rate of fibroblasts.
It also promotes the synthesis of collagen and elastin to increase the density and thickness of the skin dermis.

Safe & Stability

AETER™ PURI EYES uses only certified medical grade PN that have achived high results in CoA analysis.

AETER™ PURI EYES is also produced in sterilized facilities that are GMP and ISO certified.



htl BIOTECHNOLOGY

CERTIFICATE OF ANALYSIS N° 230533

PRODUCT NAME: **PN (raw material)** **Batch N° APHI1206A**
POLYNUCLEOTIDES (sodium salt, high molecular weight)
Extraction from salmon milt
Suitable for medical device

MANUFACTURER NAME : HTL – Z.I. de l'Aumaillerie - 35133 JAVENE - France - Phone + 33 (0)2 99 90 37 37

Manufacturing date: March 2023
Re test date: March 2026
Conservation: The product should be stored at + 5°C ± 3°C, in its original packaging, well closed.
Reference: Certain European Pharmacopoeia and Technical file (C-PRO-047)

CONTROLS (EP reference method)	SOP	SPECIFICATIONS (TDS PN_APHI Rivea V6)	RESULTS
Characters			
Aspect / Description	Visual	White or almost white fibers	Complies
Solubility	Visual	Sparingly soluble to soluble in water, insoluble in ethanol.	Complies
Identification			
Phosphorous (2.1.18.)	CI-LAB-027	Positive	Positive
Deoxyribose	CI-LAB-135	Positive	Positive
Prob. bases (Adenine+Guanine) & pyrimidic bases (Cytosine-Thymine) (2.2.29.)	CI-LAN-060	Positive	Positive
Sodium (2.2.37 or 2.5.1.)	CI-LAB-073	Positive	Positive
Tests			
Appearance of solution I (1.0 % (w/v) in water)		Clear	Complies
Absorbance: absorbance at 600 nm of the 5 solution (2.2.25.)	CI-LAB-060	A 600 nm ≤ 0.010	0.004
Absorbance: OD 260 nm/280 nm (2.2.25.)	CI-LAB-061	1.8 to 2.0	1.9
pH (1 % aqueous solution) (2.2.3.)	CI-LAB-069	5.0 to 8.0	6.8
Proteins (2.2.25.)	CI-LAB-155	≤ 1.0 %	0.5 %
Size Exclusion Chromatography (2.2.30.)	CI-LAB-126	Profile complies	Profile complies
- Average molecular weight (MW)		Mw less than 1500 kDa	1000 kDa
Loss on drying (2.2.32.)	CI-LAB-067	≤ 20.0 %	8.5 %
Bacterial endotoxin (2.6.14.) (B)	CI-LAB-090	< 0.5 UI/mg	0.061 UI/mg
Microbiological purity : Number of viable aerobic microorganisms (2.6.12.)	CI-LAB-064		
- Bacteria (Total aerobic microbial count – TAMC)		≤ 100 CFU/g	< 5 CFU/g
- Yeast and Mould (Total combined yeasts/moulds count – TYMC)		≤ 10 CFU/g	< 5 CFU/g
Organics, Inorganics			
Phosphorous content (2.5.38.)	CI-LAB-037	8.0 to 9.5 % on dried product	8.4 %
Scientific data (*)			
Ribonucleic acid	CI-LAB-035	≤ 5.5 %	Complies
Molar extinction coefficient (2.2.25.)	CI-LAB-035	6500 to 8500	Complies
Hyperchromicity (2.2.25.)	CI-LAB-036	≥ 30 %	Complies
Sodium (2.5.37. ICP-AES)	CI-LAB-154 (Subcontractor)	4.3 to 7.3 %	Complies
Calcium (2.5.14. ICP-AES)	CI-LAB-154 (Subcontractor)	≤ 500 ppm	Complies
Magnesium (2.5.14. ICP-AES)	CI-LAB-154 (Subcontractor)	≤ 500 ppm	Complies
Chlorides (2.4.4.)	CI-LAB-017	≤ 1.0 %	Complies
Sulfates (2.4.13.)	CI-LAB-062	≤ 1.5 %	Complies
Nitrogen content (5.5.9.)	CI-LAB-063F	13.0 to 16.5 % on dried product	Complies
Elemental impurities – Class 1 e (2.2.58. ICP-MS)	CI-LAB-154 (Subcontractor)	*Specifications according to ICH Q3D Elemental Impurities, September 2015*	
- Arsenic		≤ 1.5 ppm	Complies
- Cadmium		≤ 0.5 ppm	Complies
- Mercury		≤ 0.5 ppm	Complies
- Lead		≤ 0.5 ppm	Complies
- Nickel		≤ 50 ppm (option 2a)	Complies
Residual solvents (2.2.28.) - Ethanol	CI-LAB-032	≤ 5000 ppm	Complies
Nucleic bases molecular ratio (2.2.29.)	CI-LAB-065		
- A / T		0.94 to 1.38	Complies
- G / C		0.81 to 1.19	Complies
- (A+G) / (T+C)		0.91 to 1.33	Complies
Uracile content		Complies (1.0 %)	Complies

Assistant	Manager	Compliance Officer	Decision
X. NEPERT	L. DUBAR	M-A. FLOC'H	
Date: 30/05/23	Date: 26/05/23	Date: 30/05/23	ACCEPTED
Visa: PO UH	Visa: LG AC	Visa:	

(*) tests performed on a non-routine basis, according to an annual plan
Any extrapolation stays under the responsibility of his author. The reproduction of this report is authorized only under its complete shape.

Page 1/1

Certificate of analysis (CoA)
(HTL Biotechnology, Medical grade)

AETER™

PURI EYES PDRN PATCH

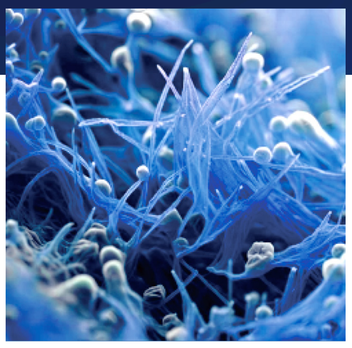
for use with AETER™ PURI EYES

Your eyes express you the most
But they have the thinnest skin on your face
So they are the first to wrinkle

Give strength to your tired skin
Skin remembers your care

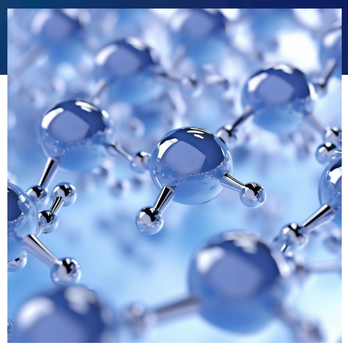
PURI EYES PDRN PATCH

Effects Collaboration
Soothes Irritated Skin
After PURI EYES Treatment



Natural plant-based polymers

MFDS dual-functional patch certification



Temperature-responsive gel particles

Dedicated prescription ingredient

for PURI EYES treatment aftercare

PDRN
Tissue regeneration ingredient with the same properties as PURI EYES PN

HA
Intradermal moisturizing

Collagen
Elasticity improvement

Tissue Repair Biomaterials

Allantoin
Moisturizing & Soothing

Coral
Balances oil & moisture, Relieves troubles

Hydration & Soothing

Niacinamide
Skin whitening

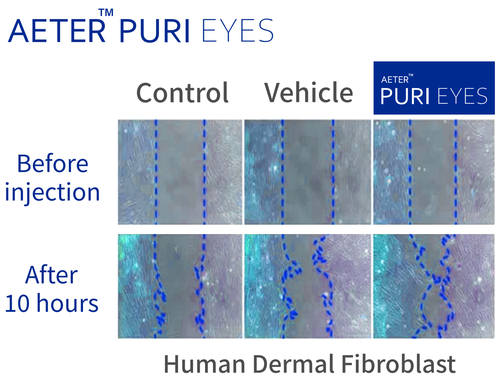
Adenosine
Anti-wrinkle

Tocopheryl-Acetate
Antioxidant

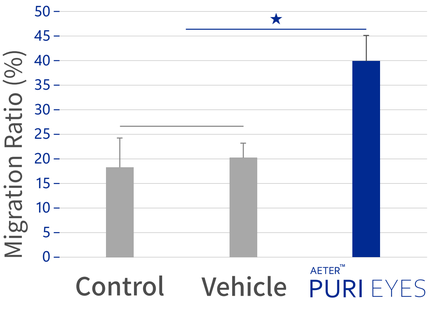
Functional Ingredients

Before & After

Cell Migration Scratch Test



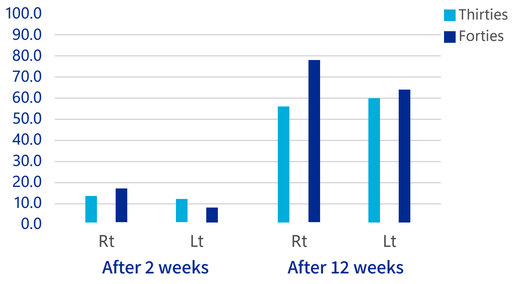
Sci Rep 2020:(10)



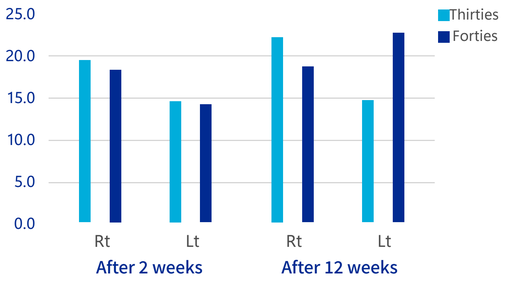
References) Sci Rep 2020:(10)

Improvement Dead Skin Cells & Moisture

Skin Dead Cells Improvement (%, mean)



Skin Moisture Improvement (%, mean)



References) Dermatol Ther 2016:29:37-40

Brightening & Texture Improvement

Before Treatment

12 Weeks After Treatment

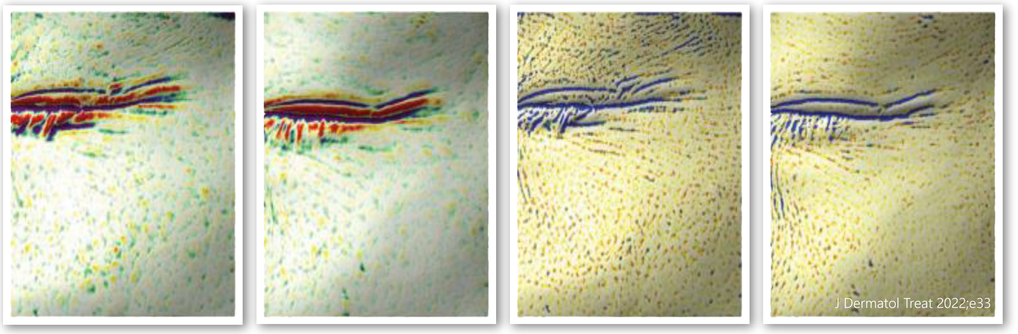
Right side | Left side | Right side | Left side

References) Improvement of skin tone 12 weeks after injection photographed by VISIA-CR
Clinical trials by Dermatol Ther 2016:29:37-40

Roughness & Pore Volume

Roughness

Pore Volume

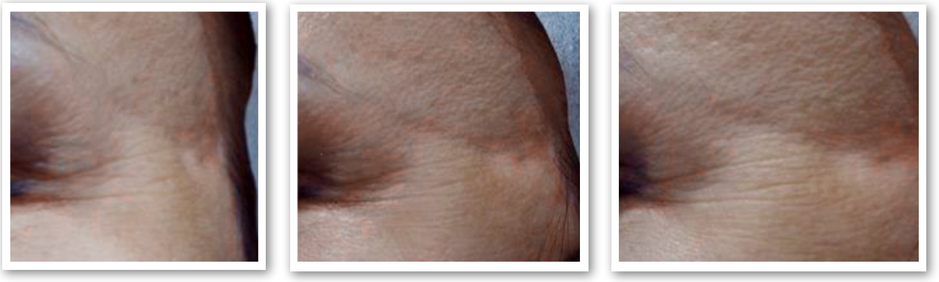


baseline | 16 week after | baseline | 16 week after

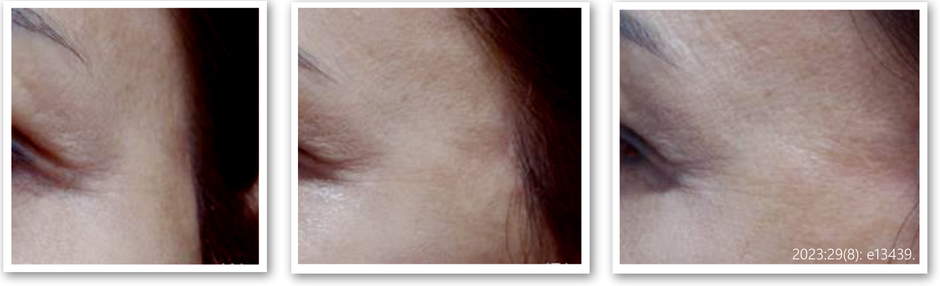
References) J Dermatol Treat 2022;e33

Tissue Regeneration

Before Treatment



2 Months After Sixth Treatment



Pitted Scars Regeneration

Before Treatment

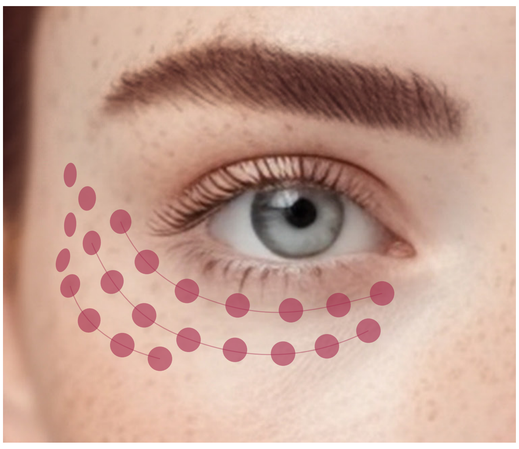
2 Months After Four Treatments.

References) Skin Res Technol 2023:29(8): e13439.

USAGE GUIDE

STEP 1. AETER™ PURI EYES

Treatment Process



Recommended Needle

32G 4.0mm Meso needles

Needle Insertion Angle

∠10°~15° Intradermal

Injection Detail

0.02 ~ 0.035cc per one point
making little embossing
6~8mm interval
15 ~ 30 points per one eye area

1. Wash the patient's face thoroughly.
2. Apply Lidocaine cream to the treatment area first. After being anesthetized, wipe clean.
3. Disinfect the treatment area with Alcohol swabs.
4. Let open the patient’s eyes, relax, and try not to squint.
5. Deposit the material around the treatment area as delicately and gently as possible to reduce the chances of bruising and swelling.
6. Gently massage the area later and ask the patient to gently massage the treatment area as well for a couple of days to spread the product out.

STEP 2. AETER™ PURI EYES PDRN PATCH

After Care

1. Disinfect the treated area by gently wiping it with alcohol swabs.
2. Gently attach the pre-cooled AETER™ PURI EYES PDRN PATCH to the treatment area.
3. After 20 minutes, remove the patch and gently massage the remaining essence to be absorbed.
4. Ask the patient to use AETER™ PURI EYES PDRN PATCH for 2~3 days after treatment .

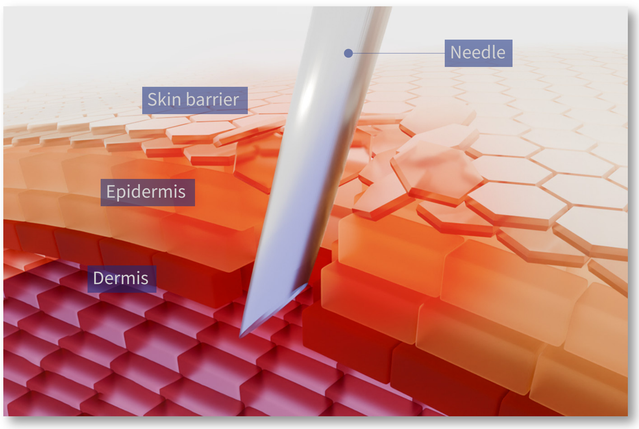
Post-Treatment Result

	PURI EYES	PURI EYES PDRN PATCH
1 Phase ~1 Weeks	Smoother skin texture Clearer complexion Better oil balance	PDRN heals wounds quickly HA & Collagen supplementation Soothes hot skin Relieves dryness caused by treatment
2 Phase After 2-4 Weeks	Increased skin elasticity Improvement of wrinkles Pore reduction	Reinforcement of broken barrier Soothes persistent skin heat PDRN quickly restores skin tissue
3 Phase 1 Month Later~	Improved overall skin condition Skin looks noticeably healthier Skin looks brighter, and firmer	Prevents melanin pigmentation Skin whitening and moisturizing


AETER™

COMMON SIDE EFFECTS OF INJECTION

Procedures that directly inject effective ingredients into the skin cause many skin irritations and side effects.

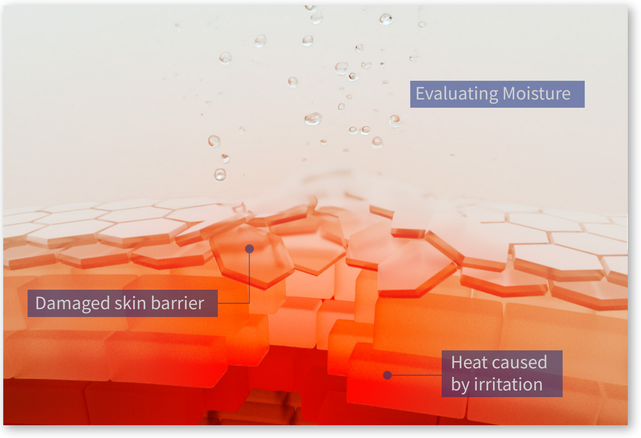


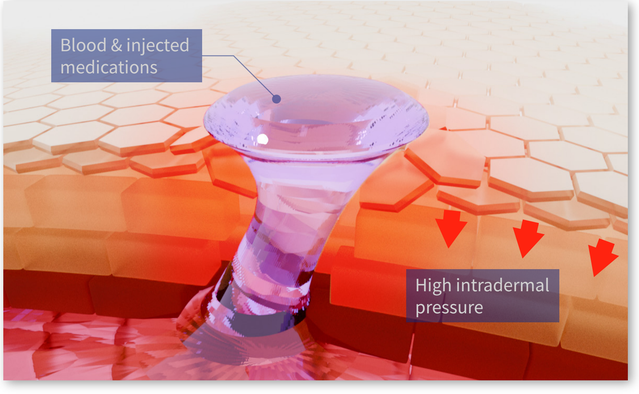
When the needle enters the skin, it causes strong irritation to the epidermis and dermis.

Heat caused by irritation

Evaporation and skin dryness due to heat

Broken skin barrier





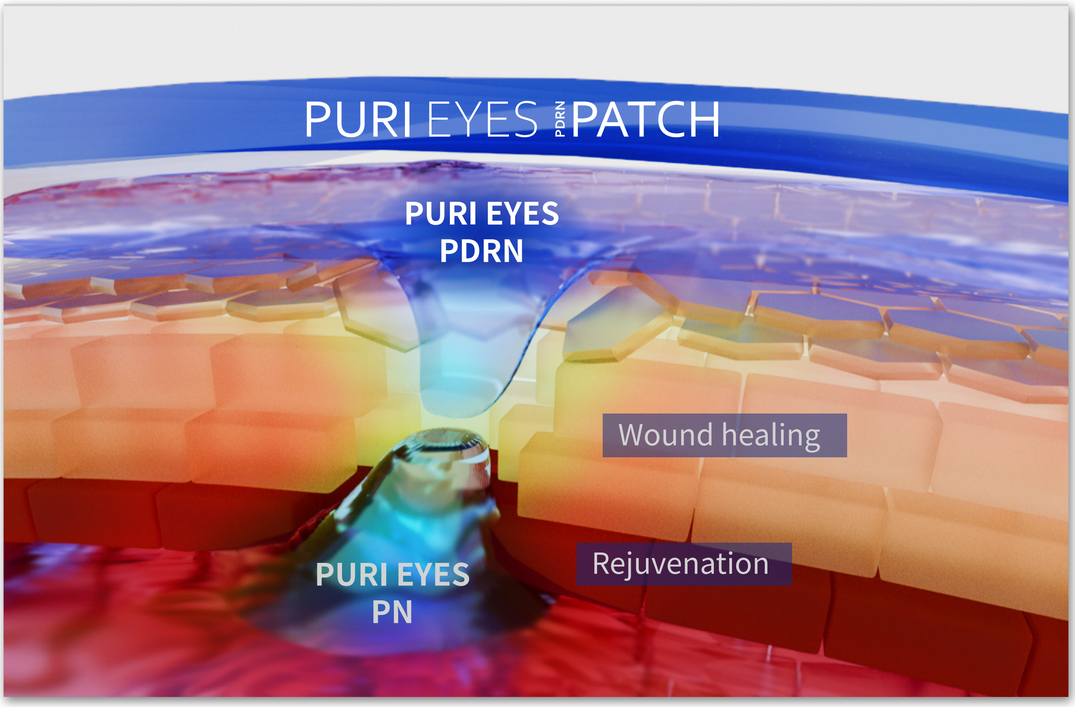
Medication leakage along with blood due to high intradermal pressure and small unhealed injection hole

AETER PURI EYES PDRN PATCH

is an aftercare patch product created to improve the chronic problems of dermal injection procedures and quickly soothe irritated skin.

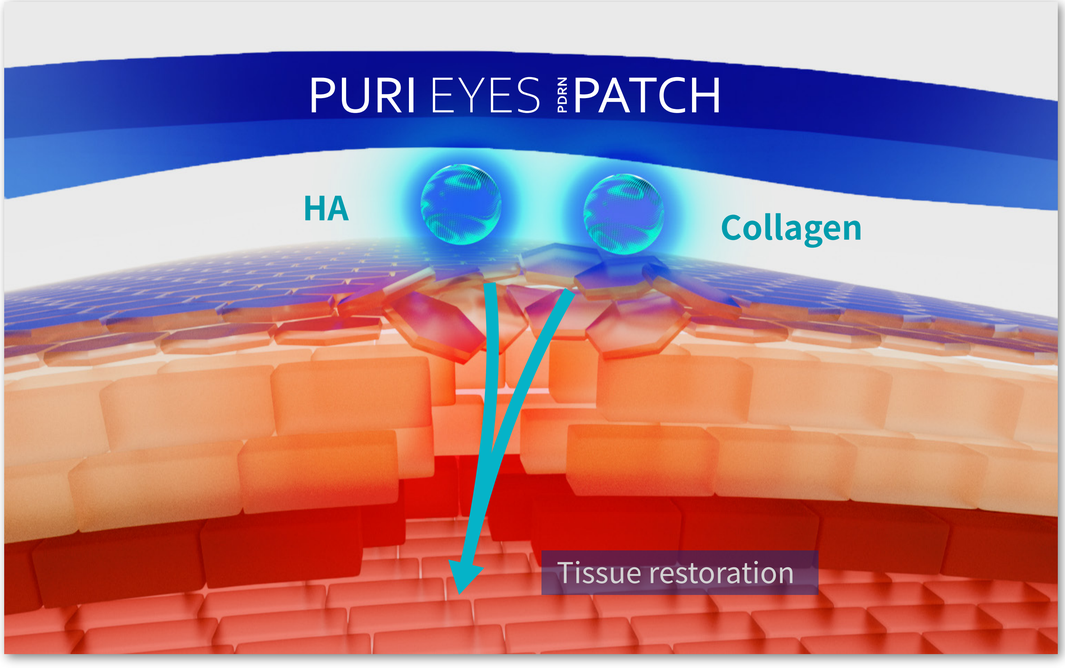
COMBINED ACTION

of PURI EYES & PURI EYES PDRN PATCH

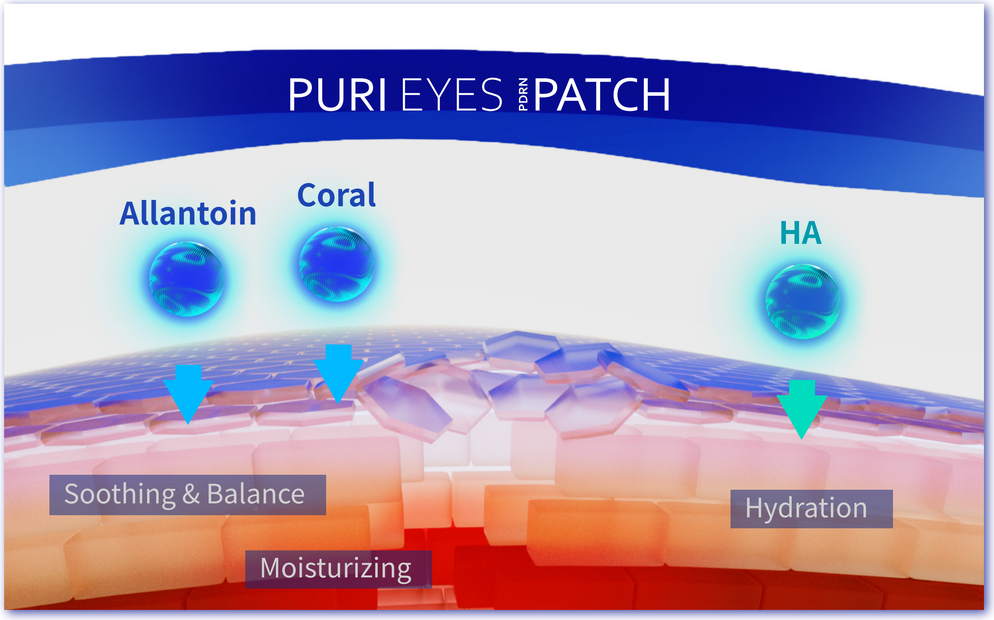


- By applying high-concentration PDRN which has the same physical properties as PURI EYES PN to the skin, it prevents the outflow of intradermal drugs due to osmosis.

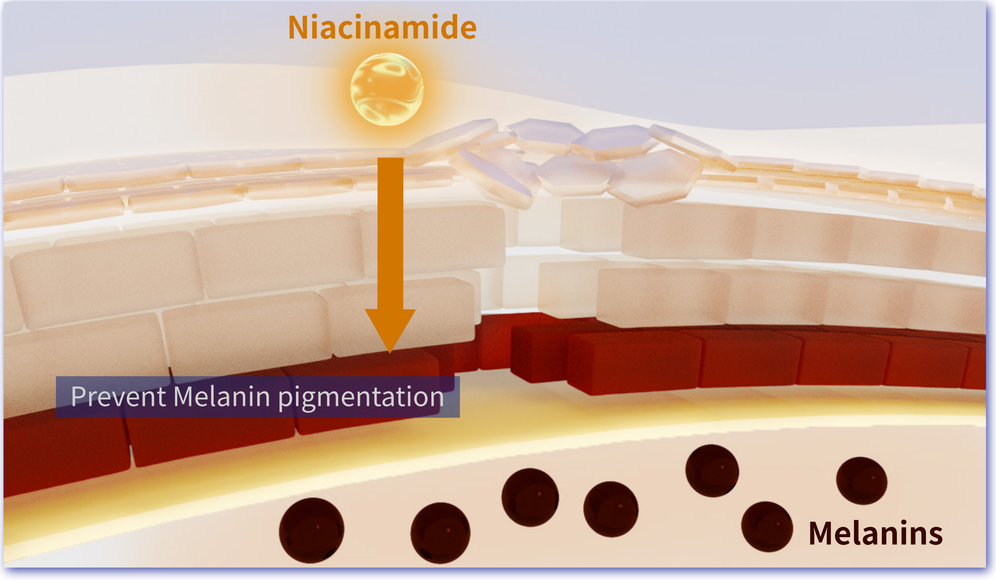
- PDRN and PN work on both the epidermis and dermis to repair wounds and regenerate tissue internally and externally.



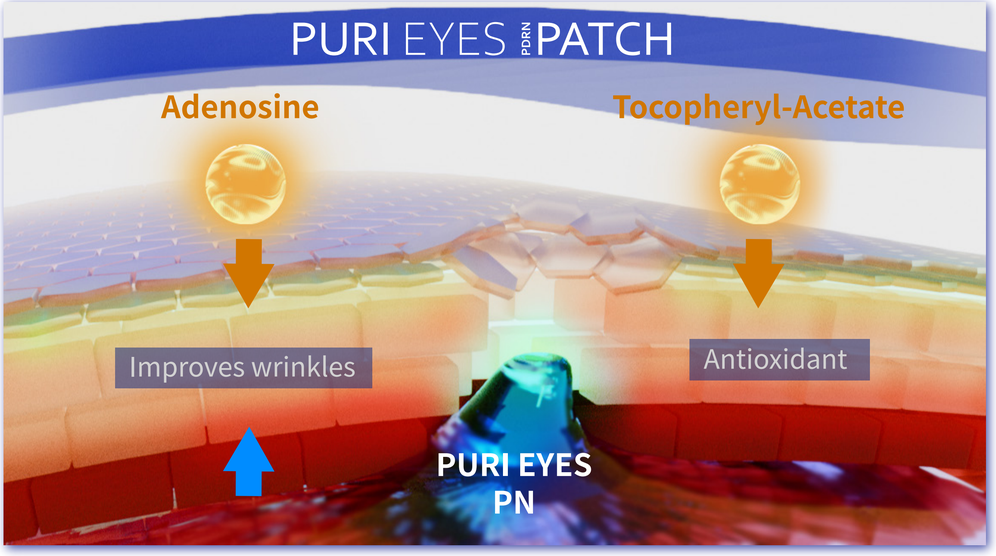
- HA and Hydrolyzed Collagen, biomaterials for tissue repair, can enter the dermis through the hole created during the injecting procedure.



- Allantoin soothes irritated skin, and hydrolyzed Coral and HA ingredients provide sufficient moisture to dry skin due to heat.
- To maximize the skin soothing effect, prepare and apply PURI EYES PDRN PATCH while it is cold.



- When irritated and weakened skin receives excessive stimulation from UV rays, it overproduces melanin pigment. Niacinamide prevents melanin pigment from settling in the skin, preventing pigmentation scars.



- Adenosine has an excellent effect on wrinkle improvement, and together with PURI EYES, it improves the effect of the treatment by improving wrinkles on the skin from the inside and outside.
- Tocopheryl-Acetate is a specialized antioxidant and prevents skin oxidation and aging accelerated by heat

Strengthens Regeneration

Tightens Skin Structure

AETER™ PURI EYES

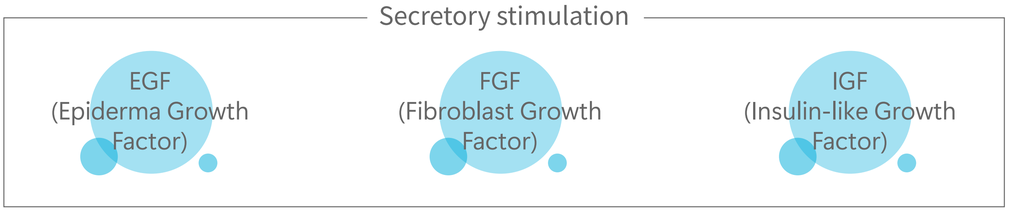
MECHANISM

Dual Pharmacological action of Polynucleotide

A2A Receptor Agonist

AETER™ PURI EYES Polynucleotide selectively binds to the A2A Receptor and induces antibase transition.

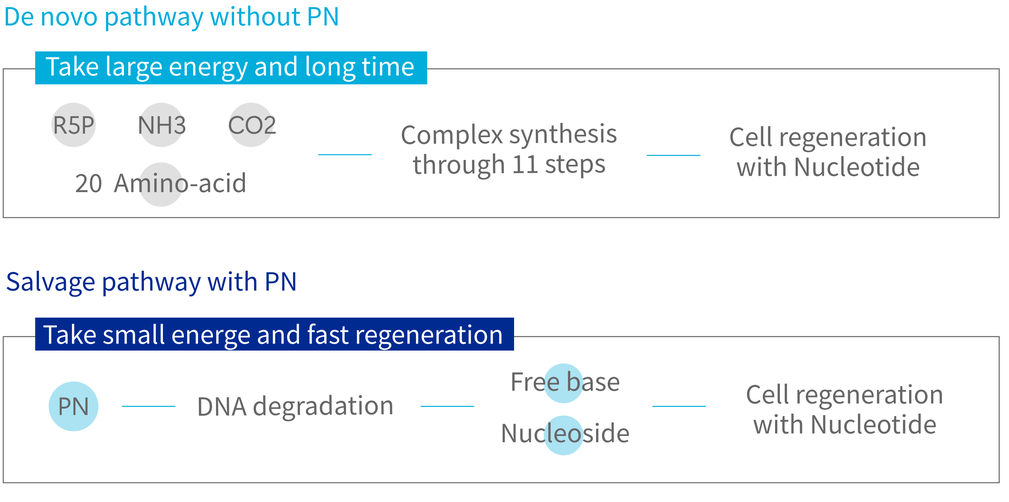
It also activates 3 growth factors to regenerate damaged tissue.



It induces angiogenesis through vascular endothelial growth factor (VEGF) secretion and improves skin capillaries that decrease with age. Increasing skin capillaries can prevent aging and improve skin health by smoothly supplying necessary nutrients.

Salvage Pathway

The salvage pathway synthesizes nucleic acids rapidly with less energy and induces cell regeneration.



AETER™

PURI EYES

Under eye skin rejuvenation

INGREDIENTS

Sodium Polynucleotide	2mg/mL
Phosphate buffered saline	q . s

PACKAGING

1.1 mL X 1 Syringe / Box

AETER™

PURI EYES PDRN PATCH

Reduce aging of the skin
Eye patch for improving under-eye skin wrinkles

INGREDIENTS

Water(Aqua), Glycerin, Dipropylene Glycol, Niacinamide, Chondrus Crispus Powder, Benzyl Glycol, Ceratonia Siliqua (Carob) Gum,PEG-60 Hydrogenated Castor Oil, Xanthan Gum, Panthenol, Allantoin, Ethylhexylglycerin, Tocopheryl Acetate, Dipotassium glycyrrhizate, Ricinus Communis (Castor) Seed Oil, Adenosine, Raspberry Ketone, Ultramarines(CI 77007), Disodium EDTA, Synthetic Fluorphlogopite, Butylene Glycol, Calcium Lactate, 1,2-Hexanediol, Fragrance(Parfum), Titanium Dioxide(CI 77891),Hydrolyzed Collagen, Sodium Hyaluronate, Sodium DNA, Hydrolyzed Coral

PACKAGING

90 g / 3.17 oz (60ea)

WEDERM

WEDERM Co., Ltd.
#502, 5F, JnK Digital tower, Digital-ro 26gil 111,Guro-gu, Seoul, Republic of Korea
www. wedermglobal.com
wederm_global
wederm@wederm.co.kr
+82-70-4776-5961