

WK Pep[®] Erasin



Erasin is the 3rd new ingredient in IECIC list and its trade name with assigned INCI name was registered in PCPC. Base on the idea of drug development, the structure of Erasin was designed by CADD and Molecular Docking Algorithm, aiming to develop actives substance that acts on the expression muscle m-nAChR. It not only inhibits the muscle contraction, instantly reduce the expression wrinkle, but also promotes the production of collagen/elastin, activate the vitality of skin cells and make the skin firmness.

PRODUCT DESCRIPTION

INCI Name	Water, Pentylene Glycol, 1,2-Hexanediol, β -Alanyl Hydroxypropyl-diaminobutyroyl Benzylamide
CAS Number	7732-18-5, 5343-92-0, 6920-22-5, na
Appearance	Transparent solution, colorless to yellowish
Peptide content	\geq 2000 ppm
PH	4.0~6.0
Recommended dosage	1-5%
Compatibility	Avoid the use of compounds containing aldehyde and ketones, metal ions, strong acids, strong bases, active enzymes.

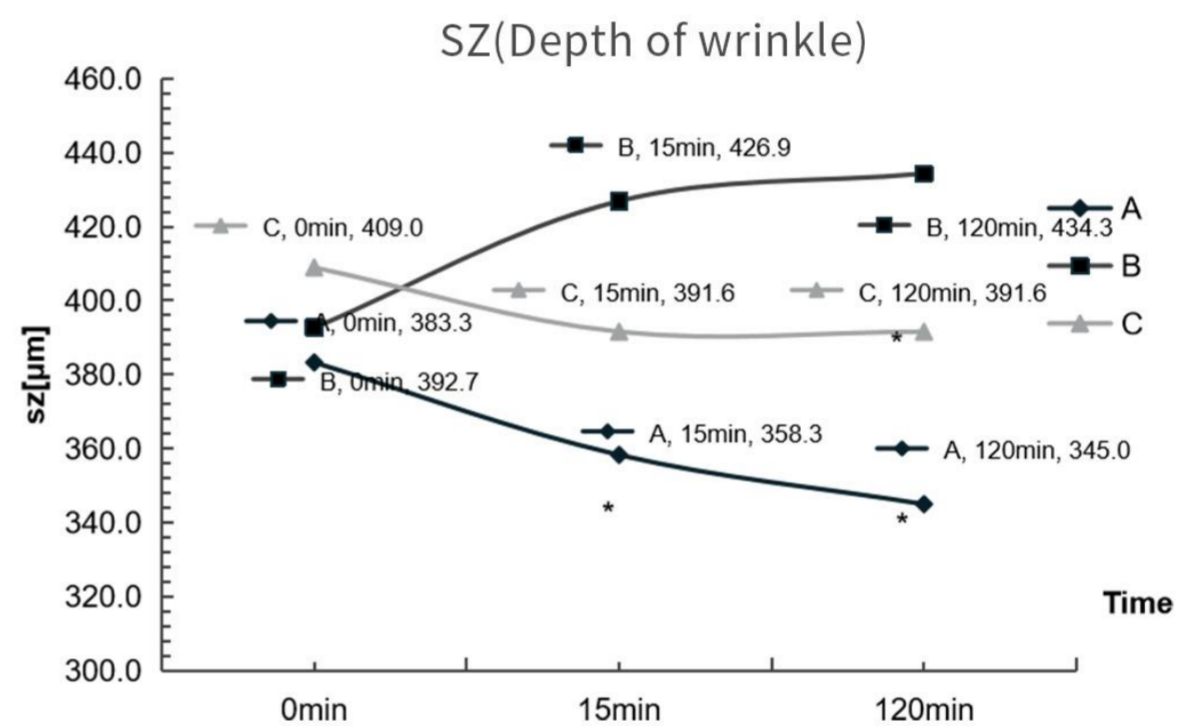
EFFICACY TEST

Instant anti-wrinkle test (botox-like effect)

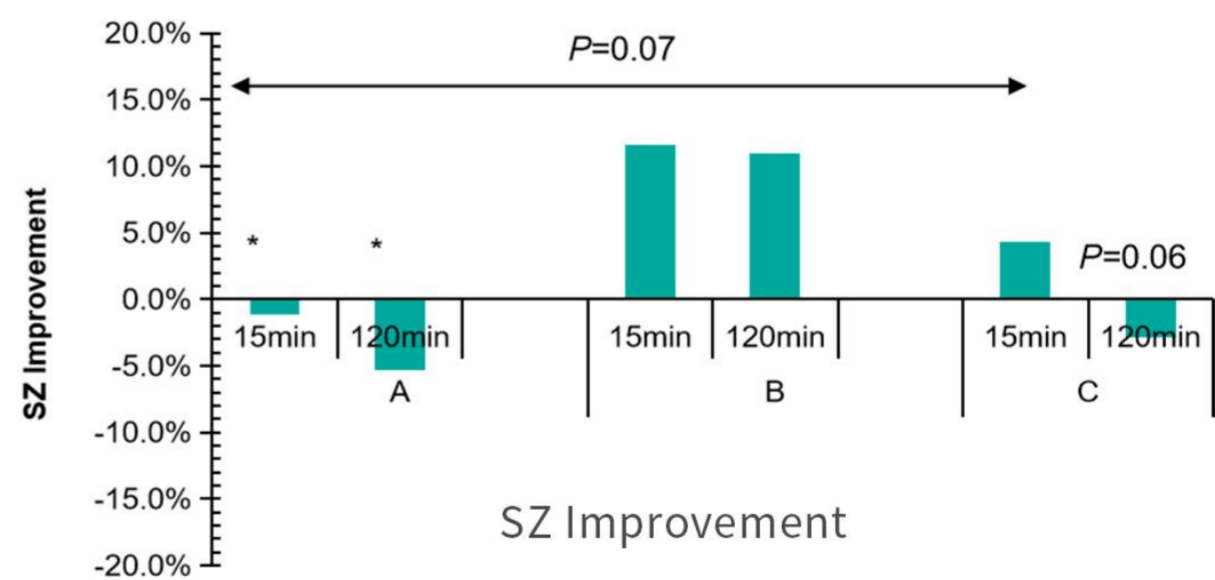
Test protocol

- 40 healthy volunteers (30-55 years old) were enrolled, divided into 3 groups.
- The eye mask containing with 10% WK Pep[®] Erasin, 10% Dipeptide diaminobutyroyl benzylamide diacetate or Placebo was applied to one canthus for 10-15 min and then it was removed.

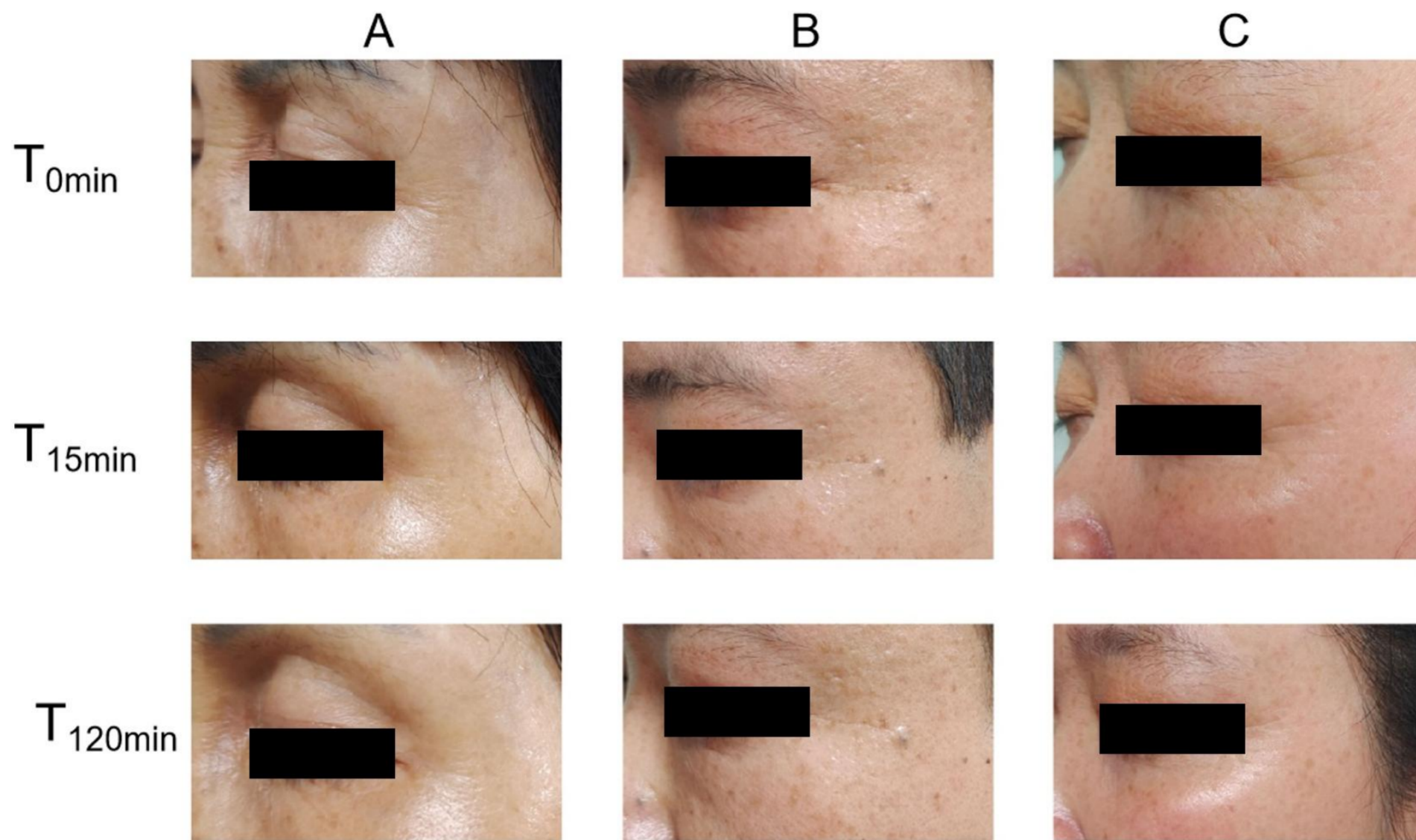
Depth of wrinkle was significantly improved after and before using WK Pep Erasin. After using 15min and 120min depth of wrinkle was significantly improved compared with placebo and Dipeptide diaminobutyroyl benzylamide diacetate.



Compare to Dipeptide diaminobutyroyl benzylamide diacetate, WK Pep[®] Erasin has better effect on instant anti-wrinkle.



A: 10% WK Pep[®] Erasin, B: Placebo, C: 10% Dipeptide diamin butyroyl benzylamide diacetate



Compared to Dipeptide diamin butyroyl benzylamide diacetate, WKPep®Erasin has better effect on instant anti-wrinkle.

Firmness and elasticity test

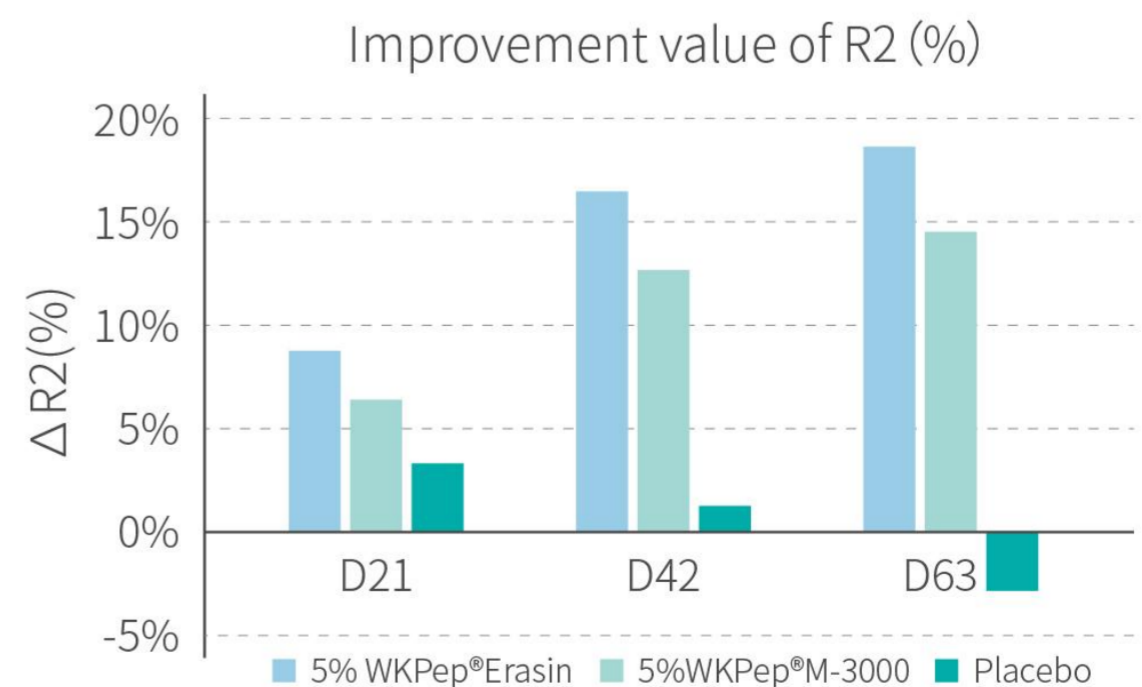
Test protocol

- 96 healthy volunteers (30-55 years old) were enrolled, divided into 3 groups.
- A serum containing with 5% WKPep®Erasin, 5% WKPep®M-3000 or Placebo was applied on face for 63 days.

- improve skin elasticity

After using 5% Erasin, the value of R2 was increased to **8.71%** for 21 days, **16.95%** for 42days and **18.79%** for 63 days.

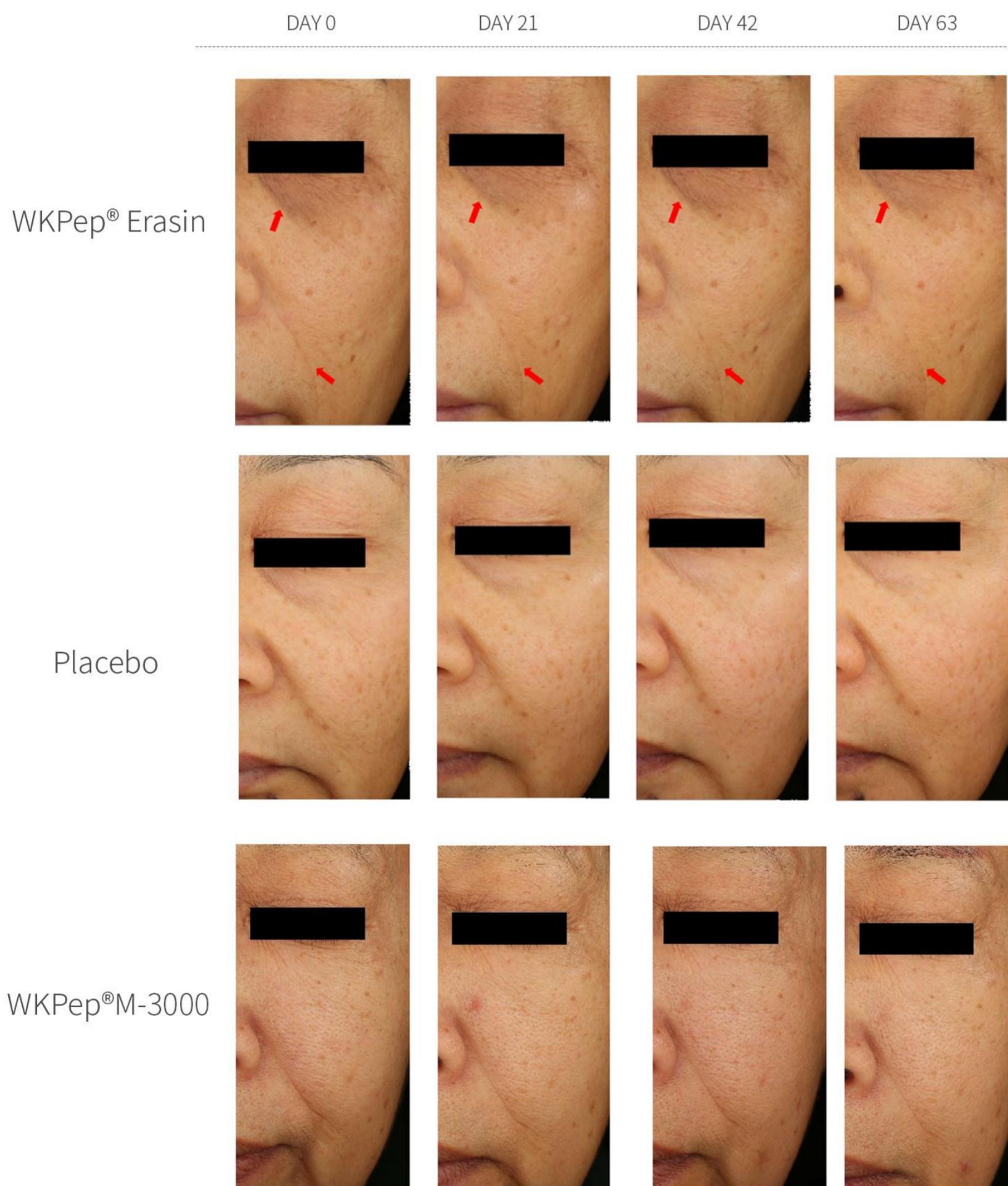
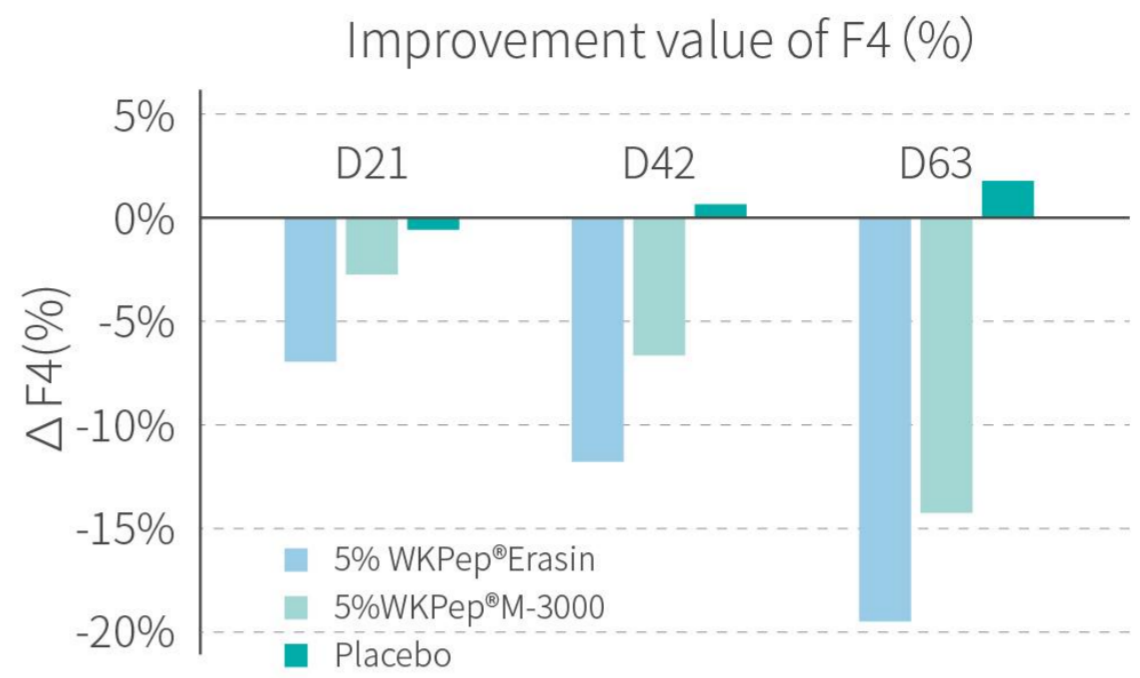
Compare to 5% WKPep®M-3000(composed of palmitoyl tripeptide-1 and palmitoyl tetrapeptide-7), Erasin has better effect on improving skin elasticity.



• improve skin firmness

After using 5% Erasin, the value of F4 was increased to **6.95%** for 21 days, **11.86%** for 42days and **19.97%** for 63 days.

Compare to 5% WKPep[®]M-3000(composed of palmitoyl tripeptide-1 and palmitoyl tetrapeptide-7), Erasin has significantly better effect on improving skin firmness.



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