

WK Pep[®] Decirclin



WKPep[®]Decirclin is peptide blends with two matrikines that is benefit on improvement of dark circles around the eyes. Two matrikines improve skin firmness and cover the pigmentation by increasing the synthesis of collagen and elastin. Furthermore, Chrysin and N-Hydroxysuccinimide activate the elimination of pigmentation and reduce the color of dark circle around the eyes. This product is applicable for cream, serum, mask, lotions with treatment of dark circles, eye contour, concealers and so on.

PRODUCT DESCRIPTION

INCI Name	Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7, PEG-60 Hydrogenated Castor Oil, Polysorbate 80, Chrysin, N-Hydroxysuccinimide, Phenoxyethanol, Ethylhexylglycerin, Glycerin, Water
CAS Number	147732-56-7, 221227-05-0, 61788-85-0, 9005-65-6, 480-40-0, 6066-82-6, 122-99-6, 70445-33-9, 56-81-5, 7732-18-5
Appearance	Transparent solution, colorless to yellowish
Peptide content	Palmitoyl Tripeptide-1 \geq 90 ppm Palmitoyl Tetrapeptide-7 \geq 45 ppm
PH	2.0~5.0
Recommended dosage	2%
Compatibility	Avoid contact with strong oxidizing agents.

MECHASIM

Infra-orbital shadows are due to the accumulation of hemoglobin and its coloured degradation products (biliverdin, bilirubin, iron)

Chrysin

Accelerates the removal of biliverdin/bilirubin from the eyes by increasing the activity of UGTs in skin tissues.

N-Hydroxysuccinimide(NHS)

Chelates iron effectively and makes it soluble, thereby facilitating iron removal.

The palpebral skin thin flabby is one of the reason for the shadow-like appearance on the lower eyelid.

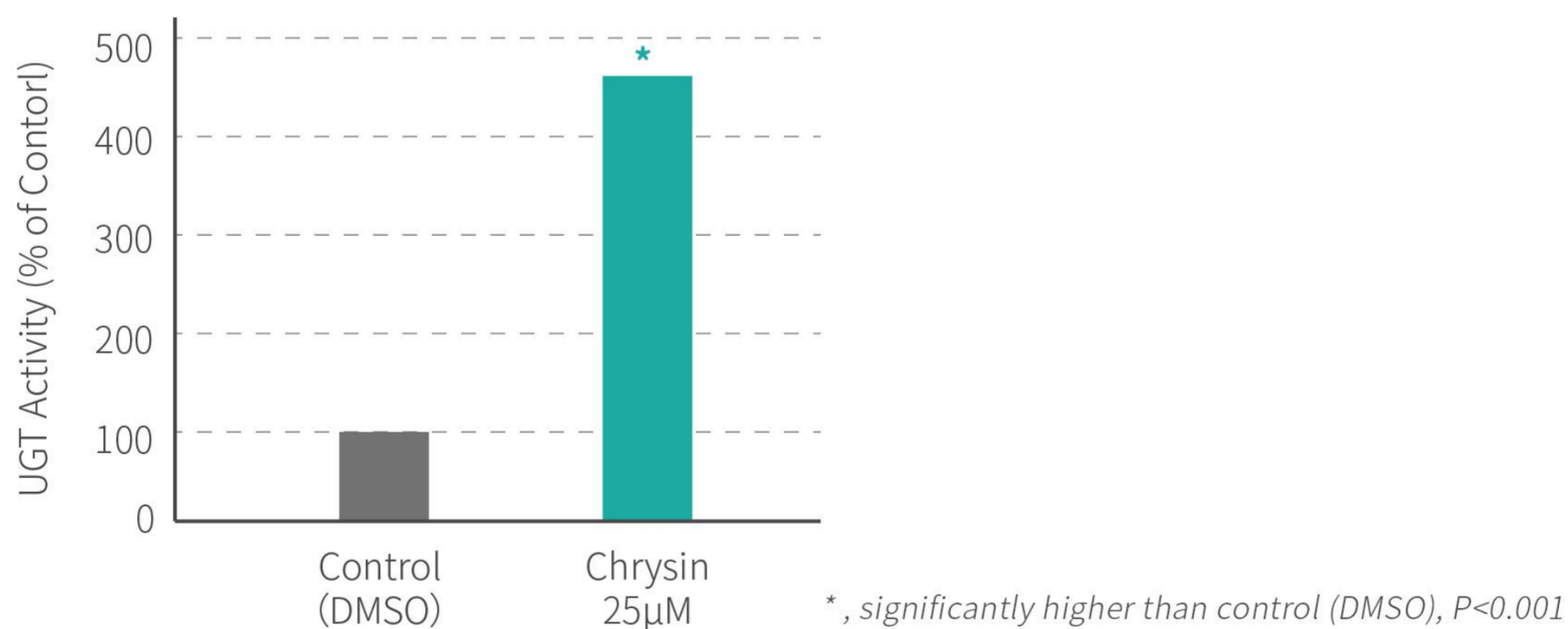
Palmitoyl Tripeptide-1, Palmitoyl Tetrapeptide-7

Promote collagen synthesis, strengthen skin density and tighten skin.

EFFICACY TEST

In vitro test

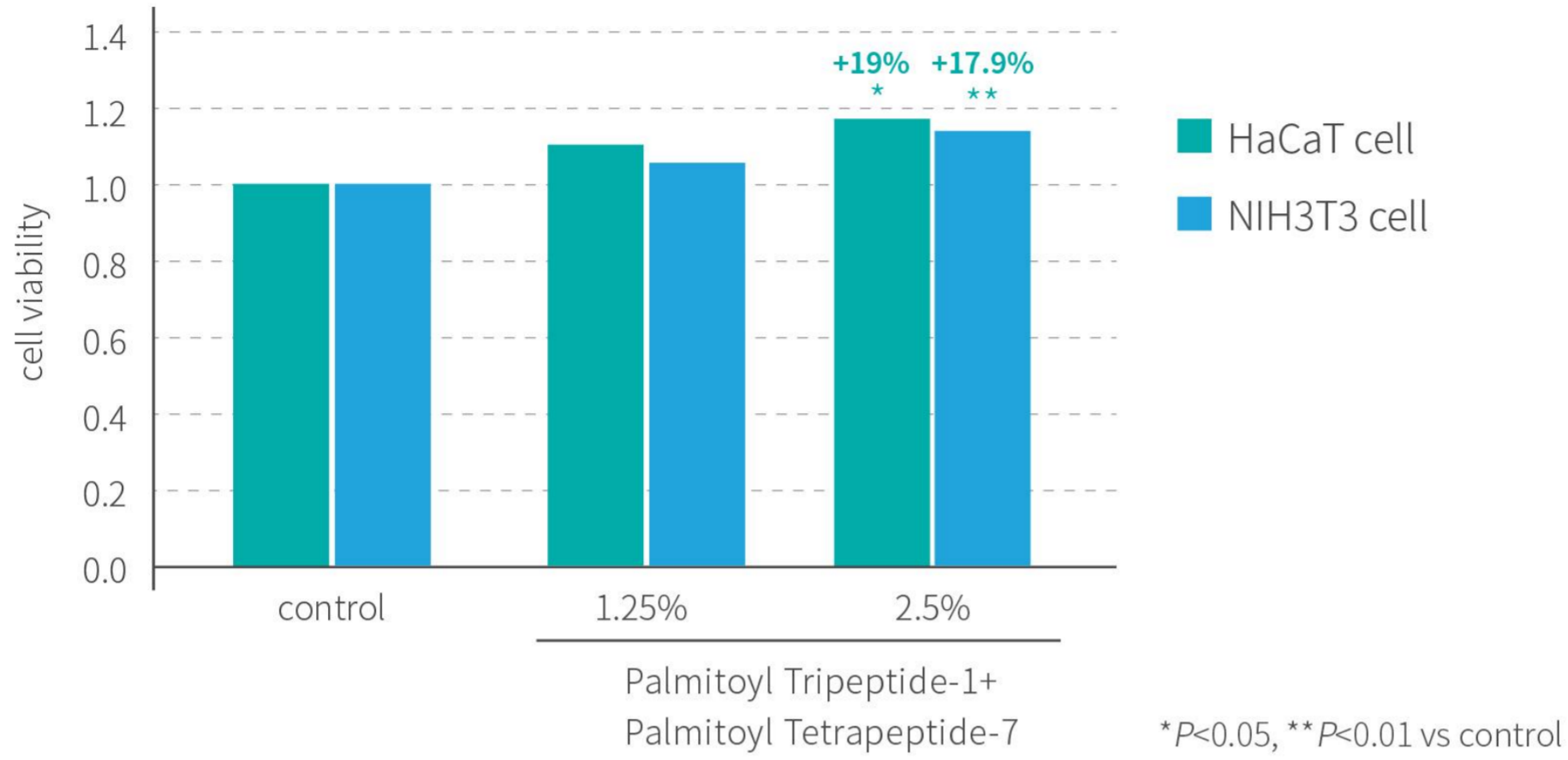
- Chrysin effectively improves the activity of UGT



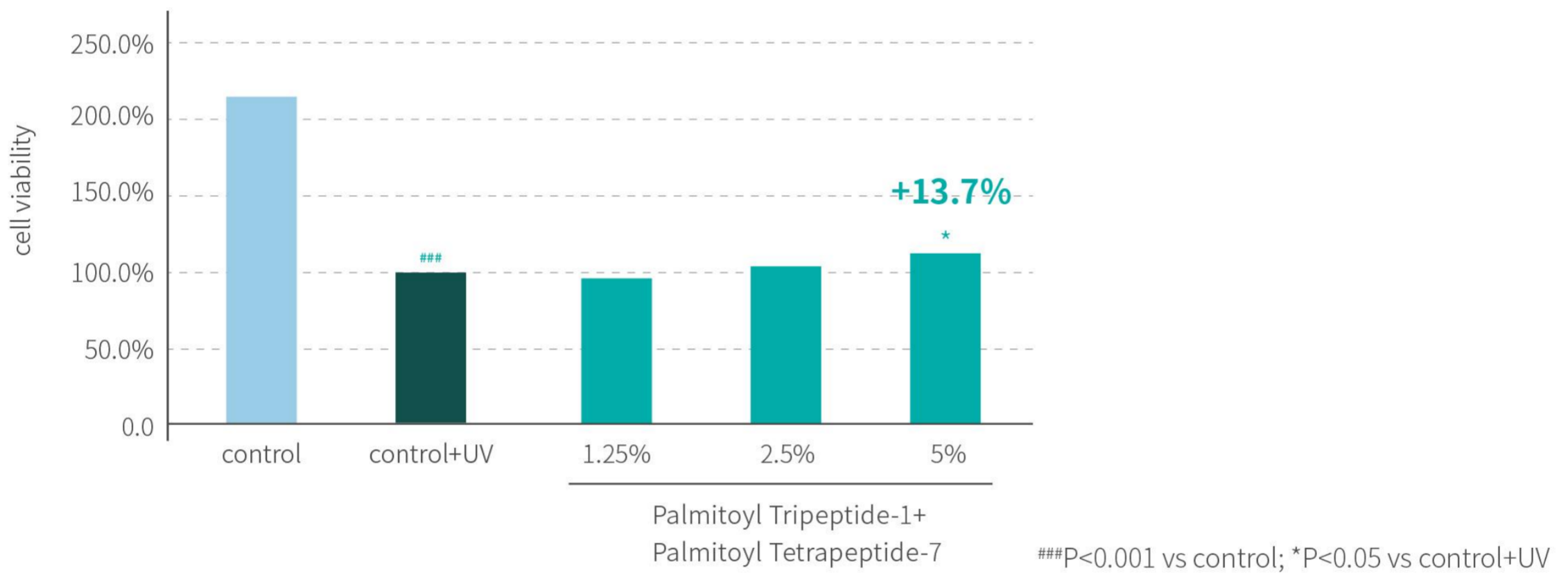
Reference:

Walle UK, Walle T. Induction of human UDP-glucuronosyltransferase UGT1A1 by flavonoids-structural requirements. *Drug Metab Dispos.* 2002 May;30(5):564-9.

• Boost cellular regeneration in epidermis and dermis



• Repair photo-aging cells



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