BARNET

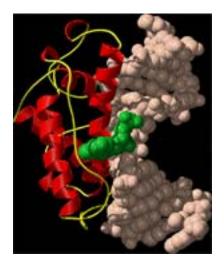
Barnet Products Corporation 140 Sylvan Avenue Englewood Cliffs NJ 07632 Tel 201 346 4620 Fax 201 346 4333 Web barnetproducts.com

Ultrasomes

- Post Exposure Sun Damage Recovery
- Immune Protection Functionality

DESCRIPTION

Ultrasomes are UV-endonuclease enzymes encapsulated in multilamellar liposomes. Endonuclease is prepared from Micrococcus luteus. The liposomes (200 nanometers) are formed from pure and all natural egg phospholipids.



PROPERTIES

Natural DNA repair activity for humans is facilitated by endonuclease, which is the enzyme in Ultrasomes. Endonuclease recognizes UV damage and is reported to accelerate its repair four-fold. Ultrasomes also protect the immune system by repairing UV-DNA damage and reducing the expression of TNF ", IL-1, IL-6 and IL-8.

Interestingly, Ultrasomes also stimulate the production of melanin by melanocytes in the tanning response following UV exposure. A dose-dependant response has been observed *in vitro*.

FORMULATION

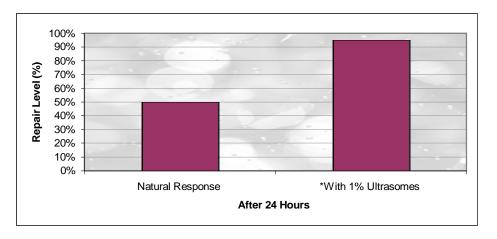
Ultrasomes is a translucent suspension with a pH of 7.0 - 8.0. Suggested use level is 1%. Since light activation is not required, Ultrasomes can be used in nighttime skin care products. They are compatible with hydrogels, carbomers, emulsifiers, triethanolamine, dimethicone, sunscreens & sun blocks and phenoxyethanol; incompatible with anionic or ionic detergents and surfactants, 5% ethyleneglycol, glycerin or alcohol. Preservative: 1% Phenoxyethanol.

LEGISLATION

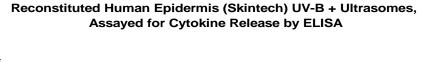
INCI Name: Micrococcus Lysate JMHW:Submitted CAS: 158765-79-8 EINECS: 295-793-5 Micrococcus tetragenus Lysate 295-786-7 Lecithin 231-791-2 Water

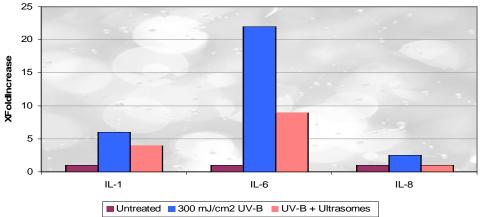
Ultrasomes

ULTRASOMES ENHANCE DNA REPAIR IN HUMAN CELLS

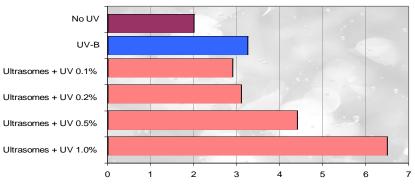


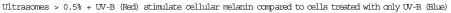
ULTRASOMES AND IMMUNE PROTECTION





ULTRASOMES ACTIVATE MELANIN ACTIVITY





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