



QSS Clarifying Under Eye Dark Circle Reduction Serum

Pathophysiology:-

- **Dark circles under the eyes (DC) are defined as bilateral, round, homogeneous pigment macules on the infraorbital regions.**
- **Despite its significant prevalence, there are a few published studies about its pathogenesis.**
- **DC are caused by multiple etiologic factors that include dermal melanin deposition, post inflammatory hyperpigmentation secondary to atopic or allergic contact dermatitis, periorbital edema, superficial location of vasculature, and shadowing due to skin laxity.**

Treating Dark circles under the eyes with Topical Vitamin A & K1:-

- **Phytonadione (Vitamin K1)** is a quinone—acts as a lightener Antioxidant shown to act through cytochrome oxidase pathway Action of topical vitamin k is purely topical.
- **Retinol (Vitamin A)** decreases pigment by increasing epidermal turnover to shed pigment increases penetration of other substances such as Vitamin K1.

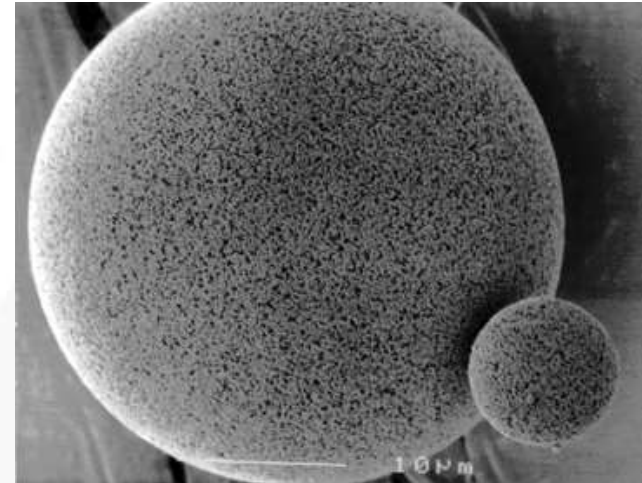
- Quintessence Clarifying Under Eye Serum is a specialized nighttime clarifying product for diminishing the appearance of dark, under-eye circles, giving this area an overall brighter, healthier looking appearance.
- This unique formulation gently delivers concentrated levels of Retinol, the purest form of Vitamin A, as well as Vitamin K to decrease the appearance of pigmentation, improve skin texture and smooth fine lines and wrinkles under the delicate eye area.
- The patented time release delivery system also contains Vitamins C and E as well as Green Tea Extract to help fight free-radical damage and keep skin looking vibrant.

MICROENCAPSULATED VIT.A/K IN TIME-RELEASE CAPSULES (Vegi Caps):-

- **Combines all the unique ingredients**
- **Stabilized Retinol**
- **Phytonadione (Vitamin K1)**
- **Microsponge delivery**
- **Vegicaps**
- **Clinically proven to reduce dark under-eye circles**

MICROSPONGE® TECHNOLOGY:

- Patented gradual release system.
- Patented by cardinal health
- Both Retinol and Vitamin K1 are entrapped for sustained controlled release of compounds.
- The spherical nature of the MICROSPONGE particle, combined with its rigidity, enhances the skin feel and elegance.



FORMULATION:-

- When applied topically, Vitamin K1 diminishes dark circles under the eyes by penetrating damaged capillaries, stopping venous seepage and helping skin tissue to heal itself. QSS has combined this potent material with Retinol, a powerful anti-aging ingredient, to deliver a highly effective, multi-benefit treatment specifically formulated for the sensitive skin around the eyes.
- QSS is a unique combination therapy utilizing the synergistic effects of Green Tea Extract, Bisbolol & Vit-C and performance enhancement of these key active ingredients to also reduce puffiness and wrinkles.

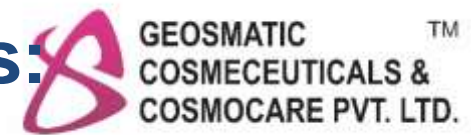
- **Made from plant substance not animal**
- **Biodegradable**
- **Unique delivery system**
- **Protects both Vit-A and Vit-K1 which break down upon exposure to light and oxygen**
- **Unit dose for easy use.**



Features And Benefits:

- **Clinically proven to reduce the appearance of under-eye dark circles.**
- **Improves and firms skin texture around the eye.**
- **Smooths fine lines and wrinkles.**
- **Advanced technology, backed by five US Patents, delivers the optimum potency and stability of the effective ingredients.**
- **Hygienic delivery system greatly reduces possibilities for cross-contamination in the delicate eye area.**

Results Backed By Science & 5 Patents:



Treating Dark Under-Eye Circles with Topical Vitamins A and K

Cosmetics & Toiletries magazine, Vol. 116, No. 6, p. 51-54.

Dipak Ghosh, PhD

Alberto Culver USA, Inc., Melrose Park, IL USA

Melvin L. Elson, MD

Longevity Institute, LLC, Burns, TN USA

Sergio Nacht, PhD

Enhanced Derm Technologies, Inc., Redwood City, CA USA

Treatment of Periorbital Hyperpigmentation with Topical Vitamin K/Vitamin A

Cosmetic Dermatology, December 1999,

Melvin L. Elson MD and Sergio Nacht, PhD

- **Apply contents of one Vegi cap along with emollient (to reduce/minimize irritation due to Retinol) for both under eyes on alternate night (as it is SR formulation).**
- **Do not apply to upper lids**
- **Use at least 60 days to see significant benefit**
- **Continue use for maximum benefit at 16 weeks.**
- **Continue using to maintain clarity.**

RESULTS (After 16 weeks of application)



Thank you.