



## Rejuvenate Cream

Treatment Size 1/4 tsp  
2-Month Supply Per Container

Ingredients: 0.3% estriol in a base of purified water, methylsulfonylmethane, glyceryl stearate, sunflower oil, stearic acid, caprylic/capric triglyceride, plant glycerin, lavender oil, cedar wood oil, xanthan gum, citrus limonum.

**DIRECTIONS:** For best results, apply approximately ¼ tsp to face and neck one time per day.

### REFERENCES:

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2. Kim Yh, Kim DH, et al. The anti-inflammatory effects of methylsulfonylmethane on lipopolysaccharide-induced inflammatory responses in murine macrophages. *Biol Pharm Bull.* 2009 Apr;32(4):651-6.
3. Nakhostin-Roohi B, et al. Effect of chronic supplementation with methylsulfonylmethane on oxidative stress following acute exercise in untrained healthy men. *J Pharm Pharmacol.* 2011 Oct;63(10):1290-4.
4. Schmidt J, et al. Treatment of skin aging with topical estrogens. *International Journal of Pharmaceutical Compounding.* 1998 Jul/Aug;2(4).
5. Tripathi R, Gupta S, Rai S, Mittal PC. Effect of topical application of methylsulfonylmethane (MSM), EDTA on pitting edema and oxidative stress in a double blind, placebo-controlled study. *Cell Mol Bio (Noisy-le-grand).* 2011 Feb 12;57(1):62-9.
6. Zhang M, Wong IG, Gin JB, Ansari NH. Assessment of methylsulfonylmethane as a permeability enhancer for regional EDTa chelation therapy. *Drug Deliv.* 1990 Jul;16(5)243-8.

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# REJUVENATE CREAM

## ANTI-AGING ESTRIOL FACE CREAM

- Reduces wrinkles
- Diminishes pore size
- Improves skin elasticity
- Increases skin collagen content
- Rejuvenating, tonic effect on skin of the face/neck
- No systemic side effects, local effect only
- Delivers the safest estrogen fraction to the skin's estrogen receptors

**REJUVENATE CREAM** supplies safe, plant-based, bioidentical estriol to support the collagen matrix underlying the skin. The result may be firmer, smoother, more supple skin.

**ESTRIOL** is a plant-based bioidentical estrogen, the safest of the estrogen fractions, which stimulates estrogen receptors that lose tone with aging. Regular use of estriol strengthens the underlying collagen structure of the skin. Studies show that after treatment for six months, wrinkle depth and pore size decrease by 61-100%.

**MSM** (methylsulfonylmethane) is an organic sulfur compound that has been shown in studies to be a permeability enhancer. It has been used as an excipient to facilitate transport across biologic membranes to enhance delivery of compounds to specific local tissue sites. As such, it is an excellent vehicle to carry the estriol to the target tissues. In addition, research has shown that topically applied MSM is useful for reducing oxidative stress, inflammation and swelling. In one animal study, topical administration of MSM inhibited lipopolysaccharide-induced inflammatory responses through the downregulation of NF-kappaB signaling. Together these physiological functions make MSM an ideal ingredient to include in an anti-aging face cream.

Physician-developed estrogen face cream delivers the safest estrogen fraction to estrogen deficient receptors in the face and neck.

“Estrogen compounds were shown to be effective in the treatment of skin-aging symptoms of perimenopausal women.” - International Journal of Pharmaceutical Compounding