

Idebenone/Coenzyme Q10

Similar to:

Prevage™

Sovage Idebenone

Idebenone is an analog of Coenzyme Q10. Studies show that Idebenone shields skin from environmental damage, improves the appearance of fine lines and wrinkles, reduces dryness and smoothes skin texture. Idebenone supplies all of the benefits as CoQ10 plus some distinct advantages based on its more complex chemical structure. Though very similar in chemical make-up to CoQ10, its longer chain organic structure gives it extra powerful anti-oxidant properties making it a more effective "free radical quencher" resulting in less cell and tissue damage. The molecules in Idebenone can slip readily into dermal cells in the deepest layer of the skin, where Idebenone neutralizes destructive free radicals. Idebenone does not only possess antioxidant properties but also has the ability to decrease collagen breakdown, which means less apparent wrinkles and lines. Idebenone also appears to counter inflammation on skin.

In vivo studies showed:

- A 32% reduction in the appearance of fine lines, wrinkles and crow's feet after 1 month of application of cream containing Idebenone, increasing to a 57% reduction in 3 months.
- A 34% improvement in the overall appearance of the skin after 1 month, increasing to 45% in 3 months.
- A 33% reduction in the appearance of wrinkle depth after 1 month, increasing to 55% reduction in 3 months.

Appearance: Idebenone is an orange crystalline powder.

Idebenone is insoluble in water. It can be incorporated in emulsions at 50 – 55C.

Recommended use level: 1%

To a 4oz cream base for 1% use level, add 1.13g/1 teaspoon

To a 1 gallon cream base for 1% use level, add 37.2g/1/2 cup

On addition of Idebenone to a cream base, cream turns yellowish orange in color. When cream is applied on the skin, slight yellow color is observed which disappears as cream is rubbed in.