

Why is DermaStem Renewal Serum second-to-none in stem cell based skin care?

There are a number of stem cell based serums and skin care products that have appeared on the marketplace over the past few years, and they constitute a novel frontier in skin care. Although many of them are nothing more than simple skin care products with misleading or spurious stem cell claims, a few are legitimate products. The legitimate ones are all based on the use of compounds called cytokines, which are growth factors supporting the functions of stem cells in the skin. Some of them contain an extract from apple stem cells, whose effectiveness really remains to be proven – There is an obvious difference between human skin and an apple! – while others contain cytokines from human stem cells. The latter are obviously the premium products, and DermaStem is one of these products. But other product characteristics put DermaStem at the head of this pack, in a class all by itself.

Intrinsic support of skin stem cells by natural ingredients

As we developed DermaStem, we asked these questions: Of all the natural compounds and herbal extracts known to benefit the skin, which do so by supporting the natural role of stem cells in the skin? Are there natural compounds that can support the intrinsic ability of the skin to renew itself? We studied a broad array of plants and herbal extracts for their effect on the proliferation and differentiation of human skin stem cells grown in vitro, and we discovered a handful of natural compounds that have an effect on the very stem cells of your skin. By supporting the natural role of your skin's stem cells, you support the process of rejuvenation of your skin from within... the way nature intended. These compounds include AFA, the same product from which StemEnhance® is derived.



AFA alone increased the proliferation of skin stem cells by nearly 100% in the study. Other natural ingredients include Aloe vera (which increased skin stem cell proliferation by 87%) and a proprietary fucoidan that increased proliferation by 55%. When blended together, the effect of these plants on skin stem cell proliferation was further synergistically increased by ingredients like vanilla, maqui berry, cacao, old man's weed and others. All these ingredients taken together constitute the Stem Cell Complex unique to DermaStem, with a Stem Cell Index exceeding 250%.

An innovative builder of hyaluronic acid

Hyaluronic acid is part of the infrastructure (skeleton) of the skin, and it is one of the main components forming the matrix of the skin. One of the main roles of hyaluronic acid is to retain moisture in the skin. Good hydration is the hallmark of young skin, and it comes from the presence of hyaluronic acid. Recently, a group of scientists discovered that as we age, although we continue to produce hyaluronic acid, its structure is less and less branched. The highly branched hyaluronic acid in young skin allows for greater retention of water in the skin. Since these branches are formed of a derivative of glucosamine, scientists discovered that the best results are obtained when this derivative of glucosamine is applied on the skin, instead of hyaluronic acid itself. DermaStem is the first product in America to contain that very derivative of glucosamine, produced by fermentation.

An all-natural formula

Of all the stem cell based skin care products, DermaStem is the only one that is truly natural... even though many make the claim. In essence, all skin care products are oils blended with water extracts of various plants. Serum second-to-none in Since oil and water do not mix, it is necessary to use compounds called emulsifiers that can dissolve in both water and in lipids, thereby helping to create an emulsion. There are very few natural emulsifiers and none that are known to be effective at making a cold emulsion — which is essential to the preservation of all the delicate actives found in herbal extracts. DermaStem is the only skin care product made cold with an all-natural emulsification system. Products like glycerin are relatively natural and can be used as emulsifiers; however, they are known for their drying effect on the skin. There is no glycerin in DermaStem. Once produced, natural skin care products are essentially food for bacteria, so they need to be preserved. And this is the biggest challenge, as there are virtually no natural preservatives commercially available.

Although the best products claim to have none of the dangerous carcinogenic parabens, they have other compounds just as dangerous — such as phenoxyethanol and various forms of benzoic acid, all known to be irritants to the skin. As we developed DermaStem TM, we asked the question, “Where in nature can we find natural antibacterial compounds?” We harvested several flowers known to grow in very moist areas while blooming for weeks, unaffected by bacterial or fungal growth, and we extracted their antibacterial power. To this we added a proprietary process called SoniPure™ that inactivates bacteria by the use of sound waves — a breakthrough innovative process. So DermaStem is 100% stable without delivering harmful compounds to your skin.

The Results

When we developed DermaStem, our intention was to create a product to restructure the skin from within in order to increase water retention and skin elasticity, which in turn would naturally reduce wrinkles and fine lines... And this is exactly what DermaStem was demonstrated to do in an independent clinical trial. DermaStem was shown to increase water retention by 30% and skin elasticity by 10% and to reduce wrinkles by an average of 25% in 28 days. Some people saw significant benefits after only 7 days, while others report wrinkle reduction by as much as 75%. In all participants, wrinkle reduction was already statistically significant after 7 days. So you can easily see how both the developmental process and the resulting formula ensure that DermaStem Renewal Serum is undeniably second-to-none in stem cell based skin care.



Christian Drapeau, MSc
Chief Science Officer