

Why An Intraoral Spray?

It is scientifically proven that the most effective way to take nutrients, to ensure you get maximum absorption, is orally (under the tongue). Intraoral (referred to as sublingual in certain contexts) is a viable solution offering an absorption rate of 95% compared to just 10% - 20% absorption that tablets and capsules provide. This is because the sub-mucosal membrane (that sits under the tongue) enables nutrients to get directly into the bloodstream, straight away.

Delivery System	Rate of Absorption
Pills or Tablets	10% absorption
Capsules	20% absorption
Transdermal Patch	45% absorption
Droppers	50% absorption
Intramuscular	90% absorption
Intraoral Spray (under the tongue)	95% absorption
Intravenous	100% absorption

Refer to Physician Desk Reference: **NPPDR#18**

The intraoral and sublingual spray method of delivery is also very helpful for individuals who have difficulty swallowing pills or capsules, and is also most cost effective, as a lower dosage of nutrients is needed as this is a very concentrated source of delivery. As one gets older, one's absorption rate through the intestinal tract reduces.

"The Intraoral spray nutrient delivery system is the wave of the future. In my experience as a practicing physician, I find that spray delivery not only guarantees that the patient gets most of the nutrients faster and more efficiently into the bloodstream, but it also avoids gastrointestinal tract problems present with so many oral capsules, tablets and liquids."
Comment by Ronald M. Lawrence, M.D. Ph.D, former member National Advisory Council on Aging, former Co-Chairman of Sports Medicine Council of the AAU.

Adult Stem Cell Release Rates Drop As We Age

"The number of stem cell cells in an organ and their functioning change as the body ages. One of the processes of cell aging is the accumulation of intracellular protein inclusions. When DNA mutations occur in the aging process proteins are formed that are misfolded. This aggregation of these misfolded proteins in Alzheimer's, Parkinson's, Huntington's, ALS diseases is among the most important factors in aging and death. Approaches to treat stem cell aging in organs include: (a) stimulate existing stem cells to increase in numbers (b) administer specific lines of stem cells to repair damaged tissue and introduce young healthy cells to the organ." **Reference: Ethiopian Review, Health News Digest, 2009, Dr Burton Feinerman, Member International Society Cellular Therapy**

Stem Cell Worx Intraoral Spray is Endorsed by Fouad I. Ghaly M.D

Doctor Ghaly is a pioneer of wellness medicine with emphasis on healthy aging that incorporates both western and eastern medicine. He is a Diplomat of the American Board of Anti Aging Medicine, a Scientific Board Member of the European Society of Regenerative Medicine, and a Board Examiner in the American Board for Anti-Aging and Regenerative Medicine.

Stem Cell Worx

To Order Online: Visit the Stem Cell Worx website at www.stemcellworx.com
Call: 1800 665 9679 (within U.S.A) or +1 310-513-3002 or +1 310-513-3007
Email: stemcellworx@bigpond.com with any questions

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STEM CELL WORX INTRAORAL SPRAY

The world's only natural
stem cell supplement in an
intraoral spray



This unique formulation is the future of regenerative health and is at the forefront of nutritional supplementation.

This sublingual spray application enables up to 95% of its nutrients to be absorbed quickly into the bloodstream and provides fundamentals that are scientifically proven to be the very essence of life and good health. These are:

- Cellular regeneration by activating your own adult stem cells naturally.
- Robust immunity and the ongoing strengthening of your immune system.

The Stem Cell Worx Intraoral Spray targets anti-oxidant optimization, adult stem cell activation and provides advanced immune response and cellular repair and renewal.

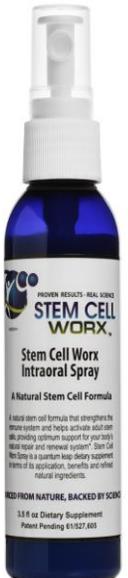
Your own adult stem cells, that are with you from the day you are born, have the power to maintain, self-renew and repair cells, tissue and muscle throughout your entire life time. The release rate of one's own adult stem cells from the bone marrow declines rapidly as we age, and this is when we need them the most to combat aging, disease and injury. Adult stem cells should be activated on a regular basis. Once in the bloodstream they have the ability to migrate to areas where they are most needed.

The Benefits

Clinical studies and research back up this new wave of nutrition.

Stem Cell Worx Intraoral Spray provides many benefits.

- Have your body's own natural repair and renewal system working continuously to enrich, nourish and release your own adult stem cells into your bloodstream to support optimal cellular regeneration.
- Have much more energy.
- Super charge your immune system.
- Achieve anti-inflammatory relief.
- Build muscle, burn fat and maintain natural weight loss.
- Improve mental clarity and focus.
- Increase endurance.
- Recover faster after your exercise regime.
- Repair and recover more rapidly after surgery and illness.



The Stem Cell Worx Sublingual Regimen

What Are The Ingredients?

This patent protected formula combines three extremely powerful natural ingredients. These ingredients are sourced from countries that produce the highest purity and best quality of ingredient available. They are:

- High Grade Bovine Colostrum (with over 30% IgG antibody and over 54% protein)
- Trans Resveratrol (98% purity)
- Fucoidan (95% purity)

Bovine Colostrum

Colostrum is the pre-milk provided by mammal mothers to their newborn. It is a rich cocktail of immune and growth factors, which literally gives life to mammal babies. The world is only just discovering the extraordinary benefit of bovine colostrum to mankind. All colostrum is not created equal. The bovine colostrum in Stem Cell Worx Intraoral Spray has 21 times more natural growth and immune factors than human colostrum.

The bovine colostrum in Stem Cell Worx Intraoral Spray is collected fresh from pasture fed herds within 12 hours of the cows calving. It is always GMO-Free and the cows are hormone-treatment free, antibiotic-free and BSE-free. This is a very high grade colostrum and the specialized manufacturing process does not compromise its nutritional value. Quality bovine colostrum is scientifically proven to provide many health benefits.

Bovine Colostrum:

- Collected and processed fresh and in liquid form is far more effective and pure.
- Contains many immunoglobulin IgG, lactoferrin and growth factors.
- Supports healthy stem cell production.
- Is a powerful antioxidant that boosts the immune system, heals and repairs the body at a great rate.

Science Behind Bovine Colostrum

Bovine colostrum is one of the few natural ingredients that is cleared by the International Olympic Drug Committee. In 2000, the Pre-Olympic Congress in Sports Science found bovine colostrum supplementation during training increased vertical jump performance. Research undertaken by Antonio, Sanders and Gammeren in 2001, as reported in the "Nutrition" journal, examined the effect of colostrum supplementation on body composition. They compared two groups. The colostrum group experienced a greater increase in lean body mass. In 2008, John H Maher DC of BioPharmac Scientific found that growth factors in colostrum help activate stem cells.

Trans Resveratrol

Trans Resveratrol provides significant health benefits and is one of the world's most exciting anti aging discoveries in the last decade. Resveratrol is a stilbenoid, and a phytoalexin produced naturally by several plants when they are under attack.

In 2003, Dr. David Sinclair of the Harvard Medical School announced a major scientific breakthrough when he found resveratrol works by entering a cell and activating an enzyme called SIRT1. This enzyme stimulates the growth of new mitochondria (the engines

of cells) that increases the metabolic rate, which was found to help slow the aging process. Clinical Studies undertaken at the Harvard Medical School found possible benefits to increased mitochondria are weight reduction, increased exercise endurance and the prevention of diabetes, cancer, heart disease, stroke, Alzheimer's and Parkinson's disease.

The resveratrol in the Stem Cell Worx Spray comes from Japanese knotweed (*Polygonumcuspidatum*) root extract and is purified to over 98%. This is an extremely high grade of pure trans resveratrol. Many resveratrol capsules in the market contain 50% or less of low grade resveratrol. Then, at best, with capsules you will only absorb 20% of what mgs are noted on the label.

Trans Resveratrol:

- Is a powerful antioxidant that counteracts and destroys free radicals in the body, helping slow the aging process.
- Provides anti-inflammatory properties, enriches cellular and enzyme activation.
- Promotes lean muscle, increased metabolism and supports weight loss.
- Provides health benefits for the cardiovascular system, support for blood vessel health and helps maintain glucose and blood sugar levels.
- Offers strong support as a therapeutic agent for neurodegenerative diseases.

Science Behind Resveratrol

In 2003, Doctors Baur and Sinclair at the Harvard University discovered that Resveratrol increased the lifespan of organisms and animal species by 20-40%. In 2009, Christopher Paul Erdman found that resveratrol enriched Adipose-derived Mesenchymal Stem Cells. A study in the September 2010 issue of Clinical Endocrinology and Metabolism reported that resveratrol intake reduced inflammatory and oxidative stress in healthy adults.

Fucoidan

Fucoidan is a sulfated polysaccharide that is found primarily in cell walls of several species of brown seaweed. Fucoidan has been studied extensively (with over 700 scientific studies world-wide). It is marketed as a dietary supplement due to its high concentration of antioxidants. Our fucoidan provides a rich source of calcium, magnesium, iron, zinc and iodine, along with important vitamins such as Vitamin A, B1, B2, B12, and Vitamin C.

Fucoidan:

- Increases cell regeneration.
- Assists the body in the production of interferon-Y and interleukin-12, while supporting respiratory functions.
- The Memorial Sloan-Kettering Cancer Center found fucoidan acts to block cancer cells from developing and growing through a process called apoptosis.
- Provides anti-coagulant effects (anti-clotting of blood).
- Enhances skin and cellular maintenance.

Science Behind Fucoidan

In 2007, a clinical study by Mohammad R. Irhimeh, Discipline of Medicine, Hobart, Australia found oral fucoidan ingestion increased the expression of CXCR4 on human CD34+ cells. This was a significant finding as the transplantation of hematopoietic progenitor stem cells (HPC) is an important treatment modality for a variety of neoplastic diseases.