The first report using molecular medicine to re-generate damaged tissues in the back of the human eye via use of an array of small antioxidant molecules (Longevinex®) to promote survival of internally-produced stem cells is reported in a newly published book (Advancing Medicine With Foods & Nutrients, 2nd edition, CRC Press, 2012). It may be the first successful report of cellular or tissue regeneration via internally-derived stem cells in all of medicine.

Striking photographic evidence of stem cell regeneration of damaged tissues at the back of the human eye is reported after use of this commercially available nutriceutical. It is arguably one of the most significant discoveries in the archives of molecular medicine.

Cells at the back of the human eye that do not normally regenerate (retinal pigment epithelial cells) along with other cells that have a slow renewal rate, exhibit rapid regeneration and repair via molecularly induced survival of stem cells. The discovery is not limited to the eye and exhibits a global effect throughout the body.

Stem cells are those specialized cells that can morph into brain, liver, muscle, heart or eye cells and survive if the free-radical storm that typically accompanies inflammation is quelled.

Initially regenerative approaches have focused largely on transplantation of stem cells from embryos or from stem cells harvested from an individual's own skin or red blood cells. However, stem cell transplantation has been met with disappointment. An alternative approach involves direct live expansion of endogenous (internal) adult stem cell populations using small molecules.¹

A number of small molecules can be used to control cell self-renewal.² Small molecules stimulate the body's own regenerative capabilities by promoting survival, migration and specialization of endogenous stem cells.³ The development of small-molecule combinations to stimulate a person's own endogenous cells for therapeutic benefit is now on the biological drawing board.⁴ This alternative paradigm that could be easier, safer, and more efficient, would involve attracting endogenous stem cells to the defect site for new tissue regeneration.⁵

⁵ Recruitment of endogenous stem cells for tissue repair. Macromolecular Bioscience 2008 Sep 9;8(9):836-42.

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NEW Better Than Ever!

Longevinex® FOR LIFE

Our new micronized/microencapsulated process yields the most absorbable and stable trans-resveratrol ever.

Microencapsulation enfolds resveratrol in plant starches and dextrins to protect against degradation by UV-light. Plus, this micronized powder enhances absorption to produce optimal utilization. We've also added nutrients that synergize resveratrol's anti-aging capabilities of Longevinex®.

- Promotes slow release and optimal absorption
- Provides nucleotides (adenosine, cytidine, quanosine, inosine, uridine monophosphate) as parts of the DNA ladder from a natural botanical source to enhance DNA repair
- Vitamin D3 added to enhance genomic response
- Three natural mineral chelators to help reverse calcification and rusting of tissues
- Opaque vegetarian capsule also protects against degradation by UV-light
- Foil packaged to provide research-grade resveratrol
- No other supplier goes to so much expense to ensure you are using a biologically active form of resveratrol

NEW PROPRIETARY M2* PROCESS

*Micronization and Microencapsulation

- Synergistic Like Red Wine
  The magic in red wine is produced by a low-dose of a variety of small molecules. The unique combination of three red wine molecules (resveratrol, quercetin, ferulic acid) plus rice bran IP6 in Longevinex® mimics this red wine effect at a lower and safer dose than competing products without the alcohol, sugars or sulfites in wine.

- The Key To Longevity
  In animal studies, Longevinex® mimicked the gene activation profile, and reduced blood sugar better than plain resveratrol or a calorie restricted diet, something never demonstrated before in biology!

- Superior Bioavailability
  There’s a mistaken idea that resveratrol is not biologically available. Studies show ~70% of trans resveratrol is orally absorbed [Drug Metabolism 32: 1377, 2004]. As resveratrol traverses the liver it is attached to a detox molecule called glucuronate, prolonging its half-life (50% degradation) up to 9 hours. At sites of inflammation, infection or malignancy, the enzyme glucuronidase releases trans resveratrol from its binding molecule (glucuronate), thus delivering resveratrol at the right time and place.

- Not Borrowed Science
  Consumers be aware. Most competing brands of resveratrol rely upon science conducted with research-grade resveratrol, not their own product. Longevinex® cites its own proprietary studies in both animals and humans to substantiate its claims.

Important Things to Know About Taking Longevinex®:

- Ingredients in Longevinex® heighten the effects of drugs and should be taken 2-4 hours apart from medications.
- Ingredients in Longevinex® safely inhibit blood clotting but can be taken with blood thinning drugs if not taken at the same time.
- Do not use if anemic - would have cold fingers and toes, leg kicking in bed (nocturnal leg cramps), shortness of breath when climbing stairs, behind-the-eye or forehead headache.
- Longevinex® is not recommended for growing children, pregnant or menstruating females who tend to be anemic and have high need for minerals.
- Excessively-high doses have been reported to cause Achilles heel tendonitis/soreness (induced by copper shortage; copper is best acquired from the diet in nuts and cocoa powder).
- Store in a cool, dry place (not refrigerator)
- You can open the capsule and mix with a cool beverage if you have difficulty swallowing pills. Tomato or pineapple juice will mask the bitter taste.
- When consuming with a meal, for optimal mineral chelating effect, take at a different time than vitamin C. Can take with vitamin C between meals.
- Preferably consume with food to avoid stomach upset.
- Do not exceed recommended serving size (dosage). More does not work better.
- If you experience heart palpitations, skin rash, visual decline, anxiety, cease taking. People under great mental stress (high adrenaline levels) may be more prone to these reactions.