

Age Reversal and Life Extension with *Nu Cell* from BodyHealth

Today, there is an unprecedented interest in the improvement of health, performance and Nu Cell. Experts around the world are focused on these topics and with the Internet, any individual can study up on ways to improve their energy and extend their lifespan.

There's no dearth of knowledge. What busy, productive individuals need are practical, simple-to-use and effective nutritional methods of implementing this knowledge.

BodyHealth now offers a significant advance in this field with the release of *Nu Cell*, a new product that gets to the root of the reasons for aging. Providing extreme simplicity of use along with a foundation of sophisticated science, *Nu Cell* offers an ideal solution to those who want increased performance and a longer lifespan.

Nu Cell provides the human body with the exact components it needs to effect its own repairs efficiently and sustainably as long as the body receives adequate quantities of essential amino acids. This is the key to reversing aging and extending one's productive and enjoyable years.

The Role of Nucleic Acids in Life Extension

Over time, research into nucleic acids has accumulated into a sharper understanding of the role these substances play in the prolongation of human life. Nucleic acids are the building blocks of DNA, the long double chains of body-forming instructions that enable a human body to be grown from a single cell.

Nucleic acids also form the basis of all forms of RNA, which act as messengers within the cell. Different forms of RNA are created to provide blueprints for the cells so they know how to synthesize the types of proteins needed by the body. These RNA messages travel from the cell nucleus to the ribosome, the part of the cell that actually synthesizes the proteins utilizing an exact combination of amino acids.

The term *nucleic acids* encompasses both DNA and RNA plus the tiny building blocks of both molecules. The full name of DNA is *deoxyribonucleic acid*. RNA is *ribonucleic acid*. DNA and RNA are built from five other types of *nucleic acids*.

Not Enough Nucleic Acids?

If the body does not produce enough of these the building blocks to maintain healthy DNA, RNA and protein synthesis, what happens?

- Low energy
- More illness
- Reduced ability to fight infection
- Poor repair of damaged cells
- Inefficient regeneration of tissues
- Slow wound healing
- Impaired glandular health
- Deteriorating intestinal health

These lost capabilities correspond closely to the process of aging. Providing an ideal quantity of nucleic acids improves the ability of the body to produce healthy DNA and RNA and can alleviate or reverse these negative effects.

Getting an Ideal Supply of Nucleic Acids

So where can the body get the nucleic acids needed to maintain a healthy body? The body can produce nucleic acids if it has enough amino acids available. But aging and stress reduce the body's ability to create nucleic acids. This means that less healthy DNA, RNA and protein will be formed.

There are also nucleic acids present in most foods. However, the human body does not absorb nucleic acids well via the digestive tract, only assimilating an estimated five percent of the nucleic acid content of food.

If there were a way to boost the body's store of nucleic acids, it could be possible to boost the production of DNA and RNA and maintain vigorous health longer.

The Exclusive *Nu Cell* Formula

The Nu Cell dietary supplement provides a high quantity of nucleic acids in a form that is instantly assimilable. Then, to improve the effectiveness of *Nu Cell*, these purified nucleic acids are combined with other components that provide even more anti-aging benefits.

The *Nu Cell* formula features the following:

1. Purified DNA and RNA nucleic acids
2. PerfectAmino to provide the amino acids needed to build DNA and RNA
3. DNA methyl group transfer factors
4. Adenosine triphosphate (ATP)
5. A liquid delivery system that makes it easy for the body to assimilate every molecule
6. A patented molecular activation process utilizing a Qi Laser

Let's examine each of these factors in more detail.

1. *Nu Cell* provides your body with nucleic acids in their tiniest, most basic forms so they can easily be assimilated. (It's not as easy for the body to assimilate larger molecules.) Then, with these tiny building blocks, the body has the wherewithal to build larger molecules like DNA, RNA and protein.
2. PerfectAmino supplies the essential amino acids the body can't synthesize on its own in a formula that is close to 100% assimilable. With a sufficient supply of amino acids *and* nucleic acids, a body becomes much more efficient at repairing itself. These two factors already begin to slow down or reverse the body's aging.
3. The inclusion of *DNA methyl group transfer factors* has everything to do with anti-aging.

DNA methyl group transfer factors improve the body's ability to perform *methylation*, a process intimately involved in aging. To understand why, it's first necessary to understand what a *methyl group* is.

A *methyl group* is the simplest combination of carbon and hydrogen that the body uses. It consists of one carbon atom bonded to three hydrogen atoms. Methylation refers to the transfer of these four atoms from one substance to another.

Methyl groups bond to DNA molecules and are involved in creating the instructions for the types of

proteins that need to be produced by the cells and types of tissue the body should generate. Proper methylation is essential for many biochemical reactions in the body that regulate the cardiovascular, neurological, reproductive, and detoxification systems. Your production of neurotransmitters, detoxification of chemicals, production of hormones, liver health and much more depend on methylation.

When methylation is functioning properly, another substance called *homocysteine* stays at ideal levels. This is an amino acid that is normally broken down into other chemicals your body needs. As long as methylation occurs, there's no problem. If the body does not break down homocysteine properly, higher levels of this amino acid can damage the inside of arteries and increase the risk of blood clots and heart disease. A small decrease in homocysteine levels translates into a significant reduction in the risk of heart disease and a lowering of aging markers by years. A homocysteine level at 7 or below is healthy.

There's one more step to understanding how DNA methyl group transfer factors slow the aging process. Ideal levels of homocysteine prevent damage to the *telomeres*. These are structures at the end of each chromosome, protective to the structure of the chromosome. When a person is young, every chromosome has long telomeres. As they age, telomeres get shorter, causing DNA to become unstable. The affected cells may no longer regenerate.

Proper methylation prevents higher levels of homocysteine and proper levels of homocysteine protect the DNA from the loss of telomeres. When all these processes are working ideally, aging slows or even reverses.

4. Adenosine Triphosphate (ATP) is included in ***Nu Cell*** to provide the energy the body needs to build nucleic acids in the body. Energy is stored in the body in the high-energy phosphate bonds of ATP. Virtually all processes in the body that require energy are driven by the energy liberated from the phosphate groups of ATP. You need sufficient levels of ATP to produce electrical activity in your brain, a heartbeat, muscular contraction and thousands of other chemical reactions. Therefore ATP is included in ***Nu Cell*** to enhance the production of nucleic acids within the cells.
5. A liquid delivery system was necessary to provide ideal absorption of every possible molecule of ***Nu Cell***. Liquid sprayed under the tongue bypasses the digestive system entirely.
6. A quantum information laser, or Qi laser, is an innovation from our lab. Exposure to a beam from this laser enhances the shape and energy of the molecules of ***Nu Cell*** to improve absorption and assimilation. Gram for gram, you get more benefit from a nutrient treated with our Qi laser.

Putting Theories to the Test

Each component of ***Nu Cell*** was included in this formula based on extensive research. But the product development didn't end there. It was then necessary to put the formula through rigorous tests.

Phase One

The first phase monitored whether or not ***Nu Cell*** could improve homocysteine levels in sedentary males with elevated homocysteine levels in their blood. Men with homocysteine levels of 10 or above were recruited.

Twenty men were recruited for this test. Ten were given six sprays of the *Nu Cell* formula each day for 90 days. The other ten were administered non-therapeutic flavored sprays. Both groups received blood tests before and at the end of the test.

The Results

The group that received non-therapeutic sprays showed no significant change in the post-test bloodwork. The group who received the *Nu Cell* formula showed a 15% change in their homocysteine levels, with levels dropping from an average of 10 to an average of 8.5.

Phase Two

Thirty-six sedentary men ages 30 to 60 were recruited. All had homocysteine levels of 10 or above. Before the test, each had bloodwork done, their fitness was tested and their body proportions were measured.

- Half the group received supplementation with *Nu Cell* and were directed to take a brisk 30-minute walk five times per week.
- The other half of the group received the non-therapeutic flavored spray and carried out the same exercise assignment.
- This procedure was followed for 60 days.

The Results

Homocysteine levels:

- Pre-test, the average level for the *Nu Cell* group was 12.5.
- The average level for the placebo group was 12.3.
- At the end of the test period, the treated group showed a 14.4% drop to 10.7.
- The placebo group showed a drop of only 3%, to 11.9.

Weight reduction:

- The treated group lost an average of 15.9 pounds, a 7.9% decrease in weight.
- The untreated group lost only 2.4 pounds, a 1.3% decrease.

Muscle mass:

- Among the treated group, there was an average increase in muscle mass of 12.3 pounds per man, a 13.2% increase.
- The untreated group lost an average of one half-pound of muscle mass.

Other results:

- The treated group also showed marked improvements in cardio-respiratory fitness as evidenced by greatly reduced times for a one-mile walk, while the untreated group showed minimal improvement.
- There was also a gain of their maximum oxygen utilization of 8.5%, while the untreated group experienced a 1.7% loss of aerobic ability.

Conclusion

The results of these trials provides statistically significant evidence of the reversal of several important biomarkers of aging among those taking *Nu Cell*. Biochemical age markers including improvement of body weight, muscle mass, and aerobic capacity can be achieved by taking the formula along with a regimen of 30 minutes of brisk walking daily. This makes *Nu Cell* an ideal component for inclusion in an anti-aging program.