

## Did you know?

- Up to 30% of all protein in the body is collagen!
- Up to 70% of the protein in connective tissue is composed of collagen!
- Collagen makes up a substantial amount of the protein composition of ligaments, tendons, cartilage, bone & skin!
- Collagen is the most abundant protein in the body!
- Keep in mind this important fact; the body's natural ability to repair supporting connective tissue and maintain hydration of cells diminishes after age 25.
- \* Many athletes and body builders regularly take protein supplements to support muscle tissue. On the other hands people who suffer from unexplained body pains almost never do so. As a result first group fares much better in Pain Management than second group. However most protein supplements (egg, milk, whey, yeast, liver, grains, etc.) do not contain enough of raw materials needed by the body to repair corresponding connective tissue damage and/or stop pain. The Solution????? COLLAGEENA.
- COLLAGEENA supports the growth and repair of connective tissue, skin and muscle. COLLAGEENA contains hydrolyzed (predigested) collagen, a synergistic blend of targeted amino acids and other supplements that assist in connective tissue and skin regeneration.

## COLLAGEENA's Benefits

- \* Reduces inflammation, body pain and joint discomfort by reducing levels of serum homocysteine
- \* Increases connective tissue hydration
- \* Enhances and replenishes glycogen storage
- \* Increases energy and physical endurance
- \* Improves recovery time after exercise
- \* Supports repair of musculoskeletal injuries and post surgery recovery
- \* Improves muscle tone/strength and joint flexibility
- \* Increases protein synthesis (L-Glutamine & L-Lysine)
- \* Reduces muscle soreness and pain after work out or physical activity
- \* Rejuvenates skin tone. Healthy skin retains moisture better and is more elastic and less prone to develop fine lines, dark spots and wrinkles
- \* Increases nail strength. Stronger nails do not chip
- \* Improves hair quality and thickness that gives more youthful appearance
- \* Curbs appetite, by reducing food cravings, that greatly benefits not only diabetics, but also an overweight population as a whole, where reduce wait leads to a better general health and quality of life.

## COLLAGEENA

### INGREDIENTS (per serving):

- \* Protein 6g
- \* Hydrolyzed Collagen 7250 mg
- \* L-Glutamine 500 mg
- \* L-Glycine 500 mg
- \* Taurine 250 mg
- \* L-Carnitine Tartrate 100mg

Collageena contains an animal-based hydrolyzed collagen protein powder from grass fed beef, which contains an extraordinarily high percentage of biologically active peptides.

Collageena contains specially manufactured low molecular weight Hydrolyzed Collagen that makes it easier for our bodies to absorb and digest the protein. Most protein sources contain large amounts of tryptophan, which provides for performance and muscles recovery, but blocks the utilization of connective tissue repair.

L-Glutamine promotes protein synthesis, maintains hydration, boosts the immune system, and accelerates the benefits of collagen. L-Glutamine is a key in the digestive process as it serves as a source of fuel for cells lining the intestines, and balances the acid/alkaline level in the body. L-Glutamine is the building blocks of RNA & DNA.

L-Glycine is an amino acid that is useful in repairing damaged tissue and promotes healing. L-Glycine releases oxygen to cells, supports detoxification and increases protein synthesis.

Taurine enhances the utilization of all amino acids. It is also helps to absorb fats and fat soluble vitamins, reduce cholesterol levels and lower blood pressure. Taurine is also powerful antioxidant. Enhances mood and is present in many energy drinks on the market today.

L-Carnitine Tartrate supports fat utilization and promotes oxygenation of heart muscles. This important amino acid decreases tissue damage and reduces the production of free radicals. L-Carnitine Tartrate also assists in decreasing muscle soreness following exercise.

These statements have not been evaluated by the Food and drug Administration. Collageena is not intended to diagnose, treat, cure or prevent any disease.

COLLAGEENA

Your journey to health begins when you make an appointment with your doctor.

Tell him or her you're determined to find the solution to improve quality of your life today.



The fact is over half of patients with moderate or severe collagen deficiency (CD) have trouble with social, family and household activities.

CD can impact patients' quality of life in the following areas:

- Affects the physical activities you're able to do
- Forces you to cut down on your daily activities
- Causes you day-to-day pain
- Interferes with your overall health
- Reduces your energy
- Limits your ability to make and keep social plans
- Limits what you're emotionally up to doing
- Makes you feel down sometimes

You can begin looking for ways to reduce the CD impact by asking your doctor if COLLAGEENA is right for you.

### **COLLAGEENA HELPS TO REDUCE INFLAMMATION, BODY PAIN AND JOINT DISCOMFORT**

Muscles and connective tissue are naturally equipped to repair themselves by producing new muscles and collagen proteins. However due to the wear and tear that occurs over time from normal living, your body can become depleted of the important amino acids needed to manufacture collagen. This becomes a much more significant problem for individuals involved in strenuous physical activity as well as people with arthritis, fibromyalgia and other acute pain syndrome sufferers.

### **COLLAGEENA HELPS TO CURB APPETITE**

Collageena works, because its unique balance of high Nitrogen Amino Acids combined with pure Collagen Protein nourishes your cells with the essential nutrition missing in most modern diets. When your cells are satisfied, so are you! The results are less food craving, less calories, increased energy, a firmer, trimmer body and a happier you.

### **COLLAGEENA HELPS TO INCREASE ENERGY AND ENDURANCE**

The rapid absorption of Collageena's unique spectrum of Amino Acids and Collagen helps to bring back lost youthful vitality. That's why Collageena users report increased energy and endurance for exercise, sports and even mental concentration. Many people notice energy when taking Collageena during the day. Collageena protein is absorbed quickly by the liver, like a complex carbohydrate to stabilize blood sugar and energy levels.

### **COLLAGEENA and Scientific Research**

Robert F. Diegelmann, PhD, From the Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia

The process of wound healing consists of an orderly sequence of events characterized by the specific infiltration of specialized cells into the wound site. The platelets and inflammatory cells are the first cells to arrive, and they provide key functions and signals needed for the influx of connective tissue cells and a new blood supply.

These chemical signals are known as growth factors or cytokines. The fibroblast is the connective tissue cell responsible for collagen deposition needed to repair the tissue injury. Collagen is the most abundant protein in the animal kingdom, as it accounts for 30 percent of the total protein in the human body. In normal tissues, collagen provides strength, integrity, and structure. When tissues are disrupted following injury, collagen is needed to repair the defect and hopefully restore structure and thus function. If too much collagen is deposited in the wound site, normal anatomical structure is lost, function is compromised, and the problem of fibrosis results. Conversely, if insufficient amounts of collagen are deposited, the wound is weak and may dehisce. Therefore, to fully understand wound healing, it is essential to understand the basic biochemistry of collagen metabolism.

### **COLLAGEENA HELPS TO FIRM AND TONE MUSCLES AND SKIN**

Originally used by doctors in skin trauma centers and to aid in wound healing, collagen protein also affects the quality and appearance of the skin, hair and nails, and helps support joint functions. Men and women who use Collageena typically notice an improvement in skin softness, hydration, tone and overall appearance, as well as the quality, shine and luster of their hair and nails. Collageena's ideal Amino Acid blend plays a primary role in the structure and maintenance of healthy bone, connective tissues and joint function.

Collagen is found in all of our connective tissues, such as dermis, bones, tendons, and ligaments, and also provides for the structural integrity of all of our internal organs.[1,2] Therefore, because of its wide distribution throughout our bodies, it represents one of the most abundant naturally occurring proteins on earth.[3] In addition to its natural abundance, there are well over 1,000 commercial products on the market today that contain collagen and collagen enhancers. These products are represented by body and hand lotions, nail treatments, firming gels, wrinkle injections, eye pads, and even anti-cancer treatments to name but a few.

### **Most recent scientific research was conducted:**

1. In US at Harvard University School of Medicine by Dr. David Trentham and his colleagues on effects of collagen on patients with rheumatoid arthritis.
2. In Germany at 1Institute of Immunology, University of Rostock by Professor Kristin Bauer and her colleagues on Perforin deficiency attenuates collagen-induced arthritis.
3. In Japan at Meiji Seika Health and Bioscience Institute by Professor Takahashi on Skin problems such as "dryness", "reduction in tautness or bounce", and "dullness".