

CUSTOMER BROCHURES

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Anti-Inflammatory Patch

Inflammation is like a bush fire. It burns, it spreads, and it claims its victims – 1,532,421 victims every year, and that's in the US alone. This is not just an impressive number. It is also a number that could be significantly reduced if people didn't surrender to "the fire within". Diet, exercise and supplementation, next to potent, but side-effect ridden anti-inflammatory drugs, are powerful weapons to be used in the battle against the unwanted oxidative processes in our bodies which are fueling a fire that makes our joints ache (arthritis), our pancreas fail (diabetes), our cells go mad (cancer) and our blood circulation falter (CVD). Against that background the inflammatory diseases in the "TOP 10 leading cause of death" list the US Centers for Disease Control and Prevention updates yearly, are only the tip of an iceberg that's about to sink the health of whole nations all around the world. **DESCRIPTION**

Maximize Anti-Inflammatory Skin Patch

Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

Inflammation: The Fire That May Be Burning Down Your Health!

AgeForce® Research Paper



Inflammation is like a bush fire. It burns, it spreads, and it claims its victims – 1,532,421 victims every year, and that's in the US alone. This is not just an impressive number. It is also a number that could be significantly reduced if people didn't surrender to "the fire within". Diet, exercise and supplementation, next to potent, but side-effect ridden anti-inflammatory drugs, are powerful weapons to be used in the battle against the unwanted oxidative processes in our bodies which are fueling a fire that makes our joints ache (arthritis), our pancreas fail (diabetes), our cells go mad (cancer) and our blood circulation falter (CVD). Against that background the inflammatory diseases in the "TOP 10 leading cause of death" list the US Centers for Disease Control and Prevention updates yearly, are only the tip of an iceberg that's about to sink the health of whole nations all around the world (Choy. 2001; Coussens. 2002; Sattar. 2003; Xu. 2003; Handschin. 2008).

So what's the reason this is happening to us? We all know the answer, and still many happily ignore it: Being overweight, consuming an unhealthy junk-food diet and avoiding physical activity and exercise – that's the tinder on which the fire feeds. If any of them is removed, the flames are going to stifle:

Weight loss works like a powerful fire-extinguisher

Irrespective of whether you're only slightly overweight or morbidly obese, every pound you lose *will* have a significant beneficial effect on your personal levels of systemic inflammation. That's a simple fact that has been proven by a plethora of studies over the last 50+ years.

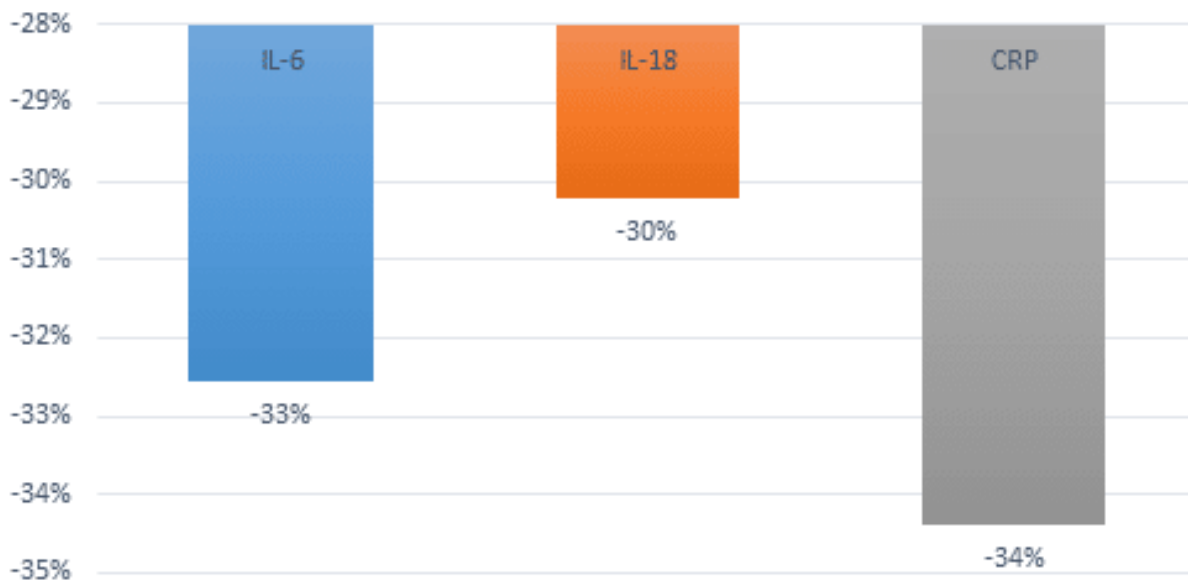


Figure 1: Relative reductions of inflammatory cytokines and proteins after 14kg weight loss in obese subjects. Correlations w/ weight loss exist for all of them (Esposito. 2003)

These studies confirm that both, the markers (cytokines like IL-6, TNF-alpha etc.) and motors of inflammation (proteins and gene), are reduced drastically at the very moment that people who suffer from chronic inflammation finally start to lose weight (Clement. 2004; Esposito. 2003; Koop. 2003).

Dietary changes are like a fire blanket

In a real world scenario, it doesn't make real sense to talk about diet, exercise and weight loss separately, because dietary improvements, increased physical activity and the subsequent weight loss are so closely inter-twined. In laboratory conditions, though, scientists can isolate the individual influence of each and were able to identify the following (unfortunately common) components of the standard Western diet as one of the primary motors of chronic inflammation:



Now, it is not just what the foods you eat, but also and for some even more so the foods you don't eat that will increase your risk of becoming chronically inflamed. If you increase your intake of foods like...

- (green leafy) vegetables,
- onions or garlic,
- whole fruits and even more so berries
- olive oil and high mono-saturated fatty acid oils, in general, instead of saturated fats
- more (fatty) fish, white instead of red meat,
- whole instead of processed grains,
- spices like turmeric, oregano, etc.

... this can help you to reduce the levels of inflammatory cytokines in your blood and will eventually switch important genes from a pro- to an anti-inflammatory state (scientists call these diet-/lifestyle-induced changes of genes *epigenetic changes* – effects which are the long-thought hard evidence that the saying “you are what you eat” is true | Feinberg. 2008).

Other than our Anti Inflammatory Patch, exercise and physical activity can act as a fireproof suit for you

As far as the diet is concerned, “less is more” for most of us (specifically less of the previously listed pro-inflammatory foods). When it comes to exercise and, even more so, everyday physical activity, actually doing much more would probably hurt less than 1% of the population.

We rise, we sit at the breakfast table, walk a few meters to our cars, drive to work, walk into an office building and ... we sit again – often for 4h without interruption piling

up at least 8-10h without any form of significant physical activity per day (not including the time we sleep). In view of the fact that many of us do this on at least 300 of 365 days of the year, it is hardly surprising that our anti-inflammatory defenses, which would otherwise be promoted by exercise, are sluggish and our bored immune system starts to act out against ourselves (allergies and immune diseases).

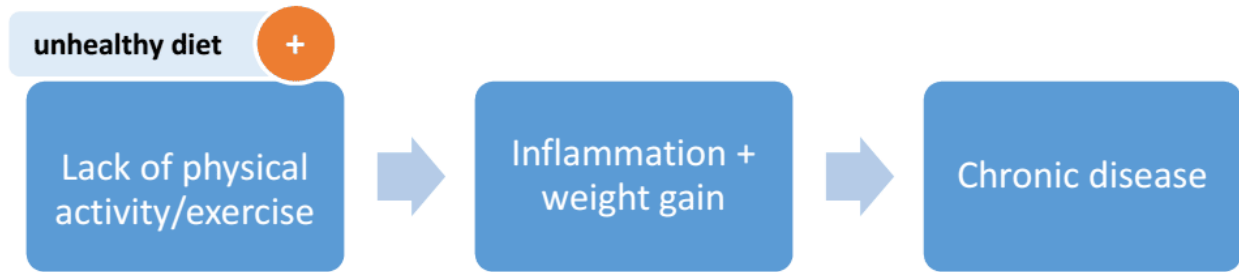


Figure 2: Our lifestyle, i.e. the combination of an unhealthy diet and a lack of physical activities are motors of weight gain and chronic inflammation. A dangerous duo that will almost inevitable lead to the development of chronic and potentially fatal disease.

The consequences of this life-style, a life-style we also hand down, voluntarily or not, to our children, are ubiquitous: Exploding obesity rates, overcrowded doctors' offices and hospitals, young men and women with type II diabetes and / or cardiovascular disease. All this and many other diseases are driven at least partly by a lack of physical activity and its proven ill effects on our ability to control the "fire within" (Hjelstuen. 2006; Allison. 2012; Hanson. 2013).

Spices like curcumin, resveratrol, ginger, oregano, holy basil and many others have a proven record of both safety and efficacy that ranges from the early days of traditional Chinese and Oriental medicine far into the labs and petri dishes of modern science (Tapsell. 2006; Duke. 2007; Mueller. 2010)

B Complex Patches

The B Complex Skin Patch offers a safe and effective alternative to B complex pills and capsules. The patch is particularly beneficial for men and women with digestive disorders, gastric bypass patients, vegans, and other groups that are at high risk of B vitamin deficiencies.

Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

The MaximizeHQ B Complex Skin Patch offers a safe and effective alternative to B complex pills and capsules. The patch is particularly beneficial for men and women with digestive disorders, gastric bypass patients, vegans, and other groups that are at high risk of B vitamin deficiencies.

Why a patch? Why not a pill?

When you take a B vitamin pill, **90% or greater is not absorbed by your body, and wasted!**

- Powerful digestive acids in the stomach degrade the dosage.
- The billions of bacteria throughout the digestive tract chow down on the vitamin before your body can metabolize it.
- The gut immune barrier is not completely efficient at absorbing any surviving B complex nutrients.

But of course, B vitamin pills don't like to tell you about this. Sometimes they will increase the dosage of an oral application, but more often they will just fool you into thinking the dosage on the bottle is the dosage that gets metabolized. In actuality, **you need to reduce that dosage to about 1/10th the amount on the bottle, to calculate your actual dosage from a pill.**

This is where our Time-Release Skin Patch excels.

Our patch circumvents the digestive tract and the liver entirely, releasing a steady 8-hour infusion of eight B-Vitamins and Citicoline, (*Citicoline is a chemical used in supplements and medications to combat Alzheimer's and other types of dementia*) **directly to your bloodstream!** This means there is minimal loss on the trip, and the dosage on the package is the dose you can expect to receive and benefit from.

Our patch is formulated with Hydroxy Cobalamine and Methylfolate. These are **10 times more expensive** than common forms of B12 and B9 Folic acid. The reason we formulate with both, is that both are more active and bio-available. Also, methylfolate is the only form of folate that can cross the blood-brain barrier. Again, all this is in pursuit of a product that delivers the maximum amount of dosage directly to your body, one that is far superior to orally ingested pills and capsules.

The MaximizeHQ B-vitamin skin patch will help you to avoid the following B-vitamin deficiency symptoms:

- Abnormal blood sugar, depression, fatigue, low, adrenals, nausea, vomiting, gastrointestinal disorders, which are common side effects of low thiamine (B1) deficiency
- Abnormal light sensitivity, cracks/inflammation of lips, tongue, corners of mouth, dizziness, insomnia, which are common side effects of riboflavin (B2) deficiency
- Nausea, vomiting, loss of appetite, fatigue, swollen red tongue, and dermatitis, which are commonly reported side effects of low niacin/nicotinamide (B3) levels
- Insomnia, joint pains, gouty arthritis, edema, kidney stones, and burning feet, which can occur in men and women with low pantothenic acid (B5) levels
- Mental disorders, seborrheic dermatitis, PMS, dizziness, insomnia, irritability, kidney stones, abnormal electroencephalogram (EEG), anemia, convulsions, edema (water retention), hypothyroidism, and migraine-headaches which have all been associated with a lack of pyridoxine (B6)
- Skin disorders, hair loss, brittle nails, anemia, seborrheic dermatitis in infants, depression, fatigue, nausea, loss of appetite, muscular pains increased total cholesterol levels and hypoglycemia which have been reported in patients with biotin (B7) deficiency
- Hemolytic and megaloblastic anemia, low energy, abnormal fetal development (neural tube defect), higher homocysteine levels / vascular degeneration, mental disorders, confusion, forgetfulness, insomnia, irritability, depression, cervical dysplasia, higher risk to develop some cancers, and high blood pressure which have been reported to be consequences of low folate (B9) levels
- Pernicious anemia, numbness and tingling in hands and feet / nerve damage, shortness of breath, severe fatigue, birth defects, dementia, confusion, poor memory, depression, reduced white blood cell and platelet formation, loss of appetite, weight loss, sore tongue, headaches, and nausea as they have been observed in patients with low vitamin B12 levels

If you have reason to believe you may be deficient in any of the B Vitamins, or simply want to ensure your brain and body has an adequate supply of B's at all times, you can't do better than our MaximizeHQ B complex skin patch!

Coenzyme Q10 & Omega-3 Patch

We've combined two of the most important dietary supplements (coenzyme Q10 and omega 3) into one skin patch. Each daily skin patch application delivers two optimized doses of these incredibly important supplements directly to your bloodstream. No more having to remember to take your CoQ10 supplement three times a day or those large Omega-3 capsules that often have that fishy odor and taste. Just put a skin patch on before you go to sleep, and take it off in the morning.

Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

About Our MaximizeHQ Coenzyme Q10 & Omega-3 Supplements With Omega-3 Fatty Acids

We've combined two of the most important dietary supplements (coenzyme Q10 and omega 3) into one skin patch. Each daily skin patch application delivers two optimized doses of these incredibly important supplements directly to your bloodstream. No more having to remember to take your CoQ10 supplement three times a day or those large Omega-3 capsules that often have that fishy odor and taste. Just put a skin patch on before you go to sleep, and take it off in the morning.

Two important transdermal time-release delivery advantages that you should consider:

1. **Dosage Strength** – When taken orally, coenzyme Q10 and Omega-3 supplements must first survive 2 to 4-hours bath in the stomach's powerful digestive acids, where up to 90% of the original dosage is degraded and destroyed. Compare that to the 100% delivery rate from our skin patches that deliver the full formula dosage delivered directly into your bloodstream with the nutrient value of each supplement intact and ready to deliver maximum benefits.
2. **The time-release function** of each skin patch delivers both supplement formulas over 8-hours. This insures that your system has time to fully metabolize the nutrients in both supplements efficiently and completely!

Coenzyme Q10 And Our Proprietary Formula *(See Omega-3 information below)*

Coenzyme Q10, specifically the ubiquinol form used in our formula, is from the quinone chemical group. It is an oil-soluble vitamin substance. Our organs that require the highest levels of energy, have, or require the highest levels of coenzyme Q10. **Our formula features fully reduced ubiquinol,** which is now considered to be the most beneficial form of Q10. This fully oxidized form of Q10 facilitates its functions as an antioxidant and electron transport chain.

Coenzyme Q10 was discovered in 1957 and in 1978, Peter Mitchell received the Nobel prize for his work on the electron transport chain of coenzyme Q10. His work let to countless studies and clinical trials worldwide into the relationship of the Q10 molecule and cancer and cardiovascular disease.

Coenzyme Q10 does something that absolutely no other molecule can do! Its

ability to move throughout cellular membranes (fat-soluble) gives it the unique ability to synthesize energy, and **it is this unique energy carrier function that makes it one of, if not the most effective Antioxidants!** And that's not all! Unlike other antioxidants, Coenzyme Q10 regenerates other well-known antioxidants like vitamin E.

The potential benefits of coenzyme Q10 in the reduced form solubilized ubiquinol used in our formula are varied and quite remarkable! Here are just a few:

- Treatment of Huntington's disease
- Treatment of pediatric congestive heart failure
- High triglycerides
- Improved athletic performance
- Maintains healthy cardiovascular system
- Treatment of atherosclerosis
 - Heart attack
 - Strokes
 - Cardiac arrest
- Migraine headaches
- Cancer treatment side-effects
- Blood pressure (lowering)
- Anti-aging
- Treatment of Parkinson's disease

Omega-3 Fatty Acid And Our Proprietary Formula

Omega-3 fatty acids are found in marine and many plant oils. They are "essential fatty acids" which means that they **cannot be synthesized naturally**, so we must get these important fatty acids by supplementation via certain foods rich in these fatty acids such as flaxseed oil, fish oils, plant oils, algal oil, or via dietary supplements.

The Health and Nutrition benefits of Omega-3 fatty acids have been recognized since the early 1930s, when researcher in Greenland conducted studies of the Inuit Tribe. They found that the Inuit's diets contained very large amounts of fish fat, yet they had little or no history of cardiovascular disease! Further studies showed that this high level of dietary Omega-3 fatty acids reduced crucial factors such as; triglycerides, blood pressure, heart rate, and atherosclerosis. These important revelations led to studies worldwide that culminated in 2004 when the U.S. Food and Drug Administration issued "qualified health claim" status to EPA and DHA n-3 fatty acids. The FDA said that there was "supportive" research to show that consumption of Omega-3 fatty acids may reduce the risk of coronary heart disease. Add to that is the claim allowed by the Canadian government that states: "DHA, an Omega-3 fatty acid, supports the normal development of the brain, eyes and nerves."

Our MaximizeHQ Omega-3 fatty acid formulation delivers benefits that are incredibly important to men and women of all ages. We've developed a formula from the best of the best sources of Omega-3 fatty acids. It combines fatty acids found in cold water fish, krill, flaxseed oil, plant oils, and micro algae. That's important

because unlike most other Omega-3 supplements, **our formula consists of optimized ratios of ALA, EPA, and the DHA form of fatty acids.** It is then prepared, in our laboratories, for direct to bloodstream transdermal time-release delivery. Here are just a few of the conditions that essential Omega-3 fatty acids can be of benefit:

- Cardiovascular health
 - Varicose veins
 - Blood circulation
 - Blood pressure
 - Blood triglyceride levels
- Reduced risk of heart attack and stroke
- Improved appetite, weight, and quality of life
- Atherosclerosis
- Rheumatoid arthritis
- Normal growth
- Renal function
- Depression
- Reduced risk of breast and prostate
- Carotid artery health
- Immune system health
- ADHD
- Anti-inflammatory

To Summarize: We've combined Omega-3 fatty acids and Coenzyme Q10 into one skin patch, that delivers 100% of each powerful optimized formula!

DHEA Patch

Dehydroepiandrosterone aka DHEA is not only the most abundant circulating steroid hormone in humans, it's also the most underrated steroidal over-the-counter supplement your money can buy

Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

DHEA – The Fountain of Youth And So Many More Benefits!

Dehydroepiandrosterone aka DHEA is not only the most abundant circulating steroid hormone in humans, it's also the most underrated steroidal over-the-counter supplement your money can buy.

After the original hype around the “fountain of youth hormone” had abated and the pharma companies realized that there is no money to be made on a non-patentable naturally occurring agent, DHEA disappeared from the front pages of all major scientific journals (Olshansky. 2002). Without good reason, as the following overview of its proven and purported benefits is going to show.

DHEA and longevity, overall health and quality of life beyond the aging population – Although it may be true that the currently available evidence does not support the long-held notion that a couple of DHEA pill per day will prolong your life 5-10 years, there is conclusive...

- evidence that low levels of DHEA are characteristic of both, the normal and pathologic aging process and associated with rapid and *severe cognitive* decline (Barrett-Connor. 1994; Kalmijn. 1998; Carlson. 1999; Moffat. 2000; Davis. 2008; Sorwell. 2010)
- evidence that low levels of DHEA are one of the proven characteristic of major depression in young and old individuals (Young. 2002; Angold. 2003) and “dehydroepiandrosterone may antagonize some effects of cortisol and may have mood improving properties” (Michael. 2000) – direct benefits have also been observed for anxiety and schizophrenia (Strous. 2003)
- evidence that low levels of DHEA are associated with an increased risk of diabetes (Yamaguchi. 1998) – an effect that is probably a direct result of the absence of the stimulatory effect of DHEA on muscular glucose uptake (Sato. 2008)
- evidence that low levels of DHEA are predictive of low libido in pre- and post-menopausal women (Guay. 2002; Morley. 2003)

Studies that investigated the protective & restorative effects of DHEA on cognitive and sexual functions, diabetes risk and overall health and quality of life in older individuals still yielded mixed results (Grimley. 2006). Flynn et al. (1999), for example, found no effect of DHEA replacement on the quality of life of postmenopausal women. Other researchers, however, found significant improvements in :

- *Physical and psychological well-being* for both 40-70 year-old men (67%) and women (84%) in response to 50mg of DHEA per day – probably in response to the normalization of the age-related decline in DHEA that occurred after only 2 weeks of daily supplementation,
- *Symptoms of depression* in 22 subjects with major depression in response to 90mg DHEA per day (Wolkowitz. 1999),
- *Endothelial function and insulin sensitivity* in middle aged men with mildly elevated cholesterol levels (Kawano. 2003) and elderly men and women in response to the daily ingestion of DHEA supplements (Villareal. 2004)

DHEA itself and its downstream metabolites, which include the major sex hormones testosterone and estrogen, have also been shown to induce significant improvements in bone strength in postmenopausal women and body composition in young and older individuals:

Feminine Libido Patch

Female Libido – It's Complicated – unlike male libido, female libido is quite complex, as both mental and physical aspects play equally important roles. While specific hormones may facilitate the activation of libido and female organ function, brain chemistry can put the brakes on desire fast. A woman must be relaxed, trusting and free of anxiety and neurotransmitters like dopamine and serotonin must be in balance within her body. Our feminine libido patch helps you reach this balance. It has both DHEA and Oxytocin to promote desire and a relaxed loving mood that a woman needs to connect with her passionate side. In addition, herbal ingredients such as valerian, black cohosh, and skullcap promote a sense of well-being that will allow a woman to more fully enjoy her sexual experience.

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HGH Booster Patches

Growth hormone (GH or HGH), or somatotropin as scientists say, is a peptide hormone with far-reaching effects on human cell growth and metabolism. Growth hormone is produced within the lateral wings of the anterior pituitary gland. It is one of the most complex peptide hormones in the human body and can be delivered into the bloodstream only via injections or specifically engineered transdermal patches – orally consumed somatotropin would instantly fall apart when it is exposed to the acidic of the human gastrointestinal tract

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Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

The pituitary gland plays a crucial role in regulating the production and secretion of various hormones in the body, including human growth hormone (HGH). HGH is essential for growth, cellular regeneration, and overall health. While there are synthetic HGH injections available, many individuals are interested in natural methods to stimulate the pituitary gland to increase HGH production.

Growth hormone (GH or HGH), or somatotropin as scientists say, is a peptide hormone with far-reaching effects on human cell growth and metabolism. As we age, our HGH production levels decrease. This natural decline in HGH levels is why HGH supplementation is so important for so many health and fitness.

Growth hormone is produced within the lateral wings of the anterior pituitary gland. It is one of the most complex peptide hormones in the human body and can be delivered into the bloodstream only via injections or specifically engineered transdermal patches.

Certain formula ingredients such as those found in our MaximizeHQ HGH Booster skin patch stimulate the pituitary gland indirectly by providing the necessary nutrients and supporting factors. For example, amino acids like arginine, ornithine, lysine, along with GABA, and CJC-1295 to safely promote increased levels of HGH release.

It is important to note that the effects of natural formula ingredients on HGH production may vary among individuals, and scientific research on this topic is limited. While some individuals may experience positive effects, others may not notice significant changes.

In conclusion, natural formula ingredients are believed to stimulate the pituitary gland to increase HGH production and secretion. By providing necessary nutrients, supporting factors, and promoting hormonal balance, these ingredients may enhance the pituitary gland's ability to produce and release HGH.

IGF-1 & MGF Patch

The IGF-1 & MGF Skin Patch A Stack with the two most important pro-anabolic GH metabolites. It is this natural synergy of IGF-1 and its muscle-specific cousin MGF which makes the MaximizeHQ IGF-1 + MGF patch so powerful.

Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

The IGF-1 & MGF Skin Patch

A Stack with the two most important pro-anabolic GH metabolites

It is this natural synergy of IGF-1 and its muscle-specific cousin MGF which makes the MaximizeHQ IGF-1 + MGF patch so powerful.

- **Insulin-like growth factor 1 (IGF-1)**, which is also known as somatomedin C, is a downstream metabolite of growth hormone. The production of IGF-1 peaks during the pubertal growth years and declines thereafter.
- **MGF** or mechano-growth factor (*PEG MGF*), Is the “bodybuilding cousin” of IGF-1 which is responsible for the repair and structural growth of muscle cells.

The administration of IGF-1 in form of injections or via patches will reverse age- or diet-induced trend towards lower muscle and bone mass. Our IGF-1 + MGF skin patch is the first and only stacked product on the market to make use of the perfect synergy between both of these powerful anabolics.

IGF-1 and its muscle-specific metabolite MGF-1 are among perfect any man or woman interested in increased strength, maximal lean and minimal fat mass.

Deep Abdominal Fat: Studies indicate that indicate the administration of IGF-1 will trigger significant and relatively rapid changes in body composition in people with excess abdominal fat.

Magnesium Patches

Magnesium (Mg^{2+}) is both, literally and figuratively, on everybody's lips. Still, for many of us, the amount of this vital mineral that actually makes it from the lips to the digestive tract and into our bloodstream is much smaller than it should be. In fact, many of us consume, digest, and absorb so little magnesium that many scientists believe that a widespread and still underestimated magnesium deficiency (hypomagnesemia) may well explain the exponential increases in cardiometabolic, neuronal, skeletal, and muscle health!

Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

About MaximizeHQ Magnesium

It is so hard to get magnesium in your diet or via oral supplementation:

Magnesium (Mg^{2+}) is both, literally and figuratively, on everybody's lips. Still, for many of us, the amount of this vital mineral that actually makes it from the lips to the digestive tract and into our bloodstream is much smaller than it should be. In fact, many of us consume, digest, and absorb so little magnesium that many scientists believe that a widespread and still underestimated magnesium deficiency (hypomagnesemia) may well explain the exponential increases in cardiometabolic, neuronal, skeletal, and muscle health!

The MaximizeHQ Magnesium Patch Delivers 75mg Of Magnesium (As *Magnesium Chloride*) Directly To The Bloodstream

You may be one of the numerous people with undiagnosed magnesium deficiency Scientific evidence that many of us don't consume, digest, and absorb enough magnesium has been accumulating over the last 50+ years. Moreover, our dietary magnesium intakes are progressively declining. **Not a problem for you?** Your levels have always been fine? We hate to break it to you, but regular (serum) magnesium test reflects only those less than 1% of your body's stores that are floating around freely (extra-cellular magnesium) in your blood – 99% of your total body magnesium, however, resides in the cells where only relatively expensive tests will accurately measure its concentration.

Ok, let's assume you may be deficient – How bad is that? Magnesium is the fourth most common cation in our body, In total, the human body contains around 25g of magnesium which is necessary for the proper function of over 300 enzymes in our bodies. These magnesium-based enzymes are molecules that facilitate (vitally important chemical reactions literally everywhere in our bodies. Researchers have only recently begun to fully grasp the extent at which magnesium deficiency can contribute to the chronic low-grade inflammation that's at the heart of the ever-increasing prevalence of non-communicable diseases, like atherosclerosis, heart disease, migraines, sarcopenia (loss of muscle with aging) *abdominal obesity*, *high blood pressure*, *high blood sugar*, *high serum triglycerides*, and *low high-density lipoprotein*. With more and more people taking magnesium-depleting medications, the overall decreases in the magnesium

content of fresh produce, and the prevalent consumption of magnesium-depleted, refined, and processed foods, the vast majority of people in modern societies are at risk for magnesium deficiency.

Simply eating more magnesium isn't enough for many of us! The MaximizeHQ *Magnesium skin patch*, with its unique time-release transdermal delivery technology, mimics the classic Epsom-salt baths – albeit without requiring hot water and, more importantly, sitting in a bathtub for hours to wait for the skin's permeability to be lowered to the extent that's required to allow the magnesium molecules from the bathwater to penetrate your skin.

The MaximizeHQ Skin Patch bypasses one of the most important obstacles to Mg2+ maintenance and repletion because transporting magnesium through the skin, directly into our blood and organ tissue has one important advantage over the commonly used oral supplements as it bypasses our increasingly dysfunctional intestinal tracts and avoids potential interferences with other nutrients – including both so-called anti-nutrients and desirable minerals such as calcium, phosphorus, etc. from our diets and dietary supplements. This is most beneficial for those people who are at a particularly increased risk of developing a subclinical or clinical magnesium deficiency. This group of people includes:

- People with celiac disease, IBS, and/or a dyspeptic intestinal tract, a condition in which the composition of the microbiome impairs the optimal use of nutrients from the diet, ...
- People who are forced to consume proton-pump inhibitors or certain antibiotics, as well as cancer patients on chemotherapy or those patients who use immunosuppressive drugs, ...
- The ever-increasing number of patients who underwent a gastric bypass (weight loss) surgery, and...
- Those of us with certain, often hitherto undetected single-nucleotide polymorphisms (SNPs) in the genes that control the expression of the ion transporters in the gut.

Try The MaximizeHQ Magnesium Skin Patch For Ultimate Absorption Common over-the-counter magnesium supplements containing magnesium carbonate or oxide just don't deliver the magnesium you need! Our MaximizeHQ skin patch is ideal for magnesium-conscious consumers who want to restore and maintain optimal cellular magnesium levels.

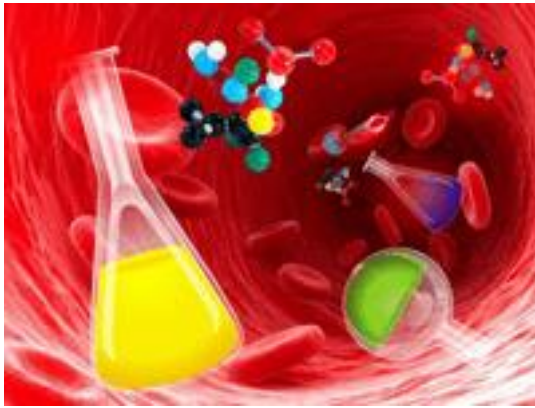
Male Libido Enhancement Patches

***Ready-Now* Is A Wonderful Alternative To Prescription Erectile Dysfunction And Male Libido**



You'll Always Be Ready Because It's All In The Formula! We could show you lots of great male libido images, but bottom line, it's all about our exclusive natural male enhancement formula! Each daily *Ready-Now* patch delivers 4 specific balanced ingredients directly to your bloodstream over the 8-hour time-release function of the patch.

- **Butea Superba** is extracted from the Butea Superba plant is considered to be the most important herbal male sexual enhancement substance. It has been shown in study after study to rejuvenate total male sexual capacity.
- **Ginsenoside RG1** is extracted from the Panax (Ginseng) plant. **We only use** American ginseng as studies show it has superior potency. It supports testosterone production and most important it relaxes and widens blood vessels. This promotes blood flow that facilitates erections and helps to maintain them.
- **Icarlin** comes from the Horny Goat Weed plant family. It produces an aphrodisiac effect that enhances the stimulation needed to achieve and maintain an erection. It's also a very effective PDE 5 inhibitor, as it relaxes and enlarges blood vessel walls, which facilitate blood flow to the penis for initial erections and to maintain them.
- **Yohimbine** is extracted from the bark of the Pausinystalia Yohimbe tree. It is used to treat erectile dysfunction as it increases blood flow to the penis, and most importantly, **decreases out-flow** which helps to maintain erection leading to a successful orgasm. Yohimbine is also a mild stimulating aphrodisiac.



Direct To Bloodstream Transdermal Time-

Release Delivery! We've named this patch "*Ready-Now*" because the minute the patch is applied the formula starts moving through your skin (*derma*) into your bloodstream over the 8-hour time-release function of the patch. You may not need it for 8 hours but better safe than sorry as they say!

Memory Patch

Our Memory Skin Patch Formula features Noopept Nootropics (Noopept) are drugs, supplements, nutraceuticals, and functional foods that promote the enhancement of cognition and memory and the facilitation of learning.

Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

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- Nootropics will give you the dopamine spike that's required to be productive without impairing your focus.
- Nootropics will give your brain the extra boost that's required for maximal cognitive performance, but they won't overclock your synapses or set you up to an inevitable crash when their potent effects begin to wear off.
- Nootropics will have a lasting beneficial effect on your ability to remember facts, figures, names, and all sort of information without being addictive or putting you at risk of forgetting all the valuable information, when you stop taking them.

More Nootropic Brain Benefits Nootropics have also been shown to have potent antioxidant and anti-inflammatory effects of which recent studies show that they act right at the level of the synapses, where they will **protect your brain from oxidative damage**. Also, nootropics promote increases in neuronal plasticity and trigger neuronal repair which result in long-term increases in cognitive function in healthy individuals.

Our Memory Skin Patch Formula Is Nootropic Plus Huperzine A, Vinpocetine, Hordenine and Yohimbine

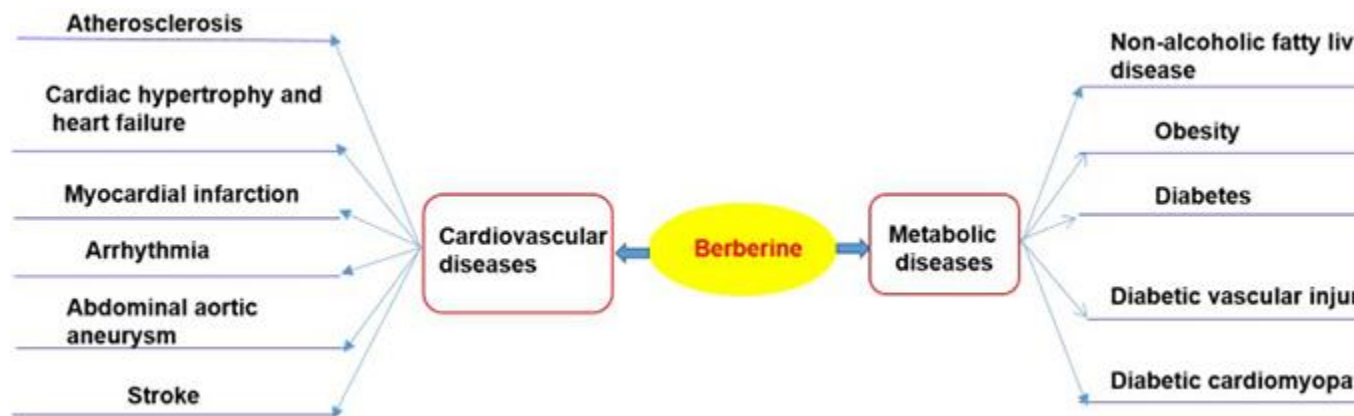
- **Huperzine A** is a very potent cholinesterase inhibitor which effectively increases both the level and duration of action of the neurotransmitter acetylcholine. This loosens the natural brake on your brains neurotransmitter system and allow your neuronal network to operate at maximal performance.
- **Vinpocetine** is a powerful vasodilator and nootropic agent that is side-effect free! It will improve cognitive performance by enhancing cerebral metabolism. It helps to improve short- and long-term memory functions, increase blood flow to the brain, enhance alertness and focus, and improve visual and hearing functions.
- **Yohimbine** will improve human information processing significantly improves the reaction times during a set of standardized cognitive performance tests. Yohimbine is thus the perfect complement to nootropics.
- **Hordenine** is the last ingredient in our synergistically formulated Nootropic Memory skin patch formula. Hordenine is a naturally occurring alkaloid in barley, cactus, and several other plants. Hordenine has been shown to increase alertness inhibit the reuptake of noradrenaline (Barwell. 1989) and will thus augment the natural increase of catecholamines and the corresponding increase in alertness.

• MK-677

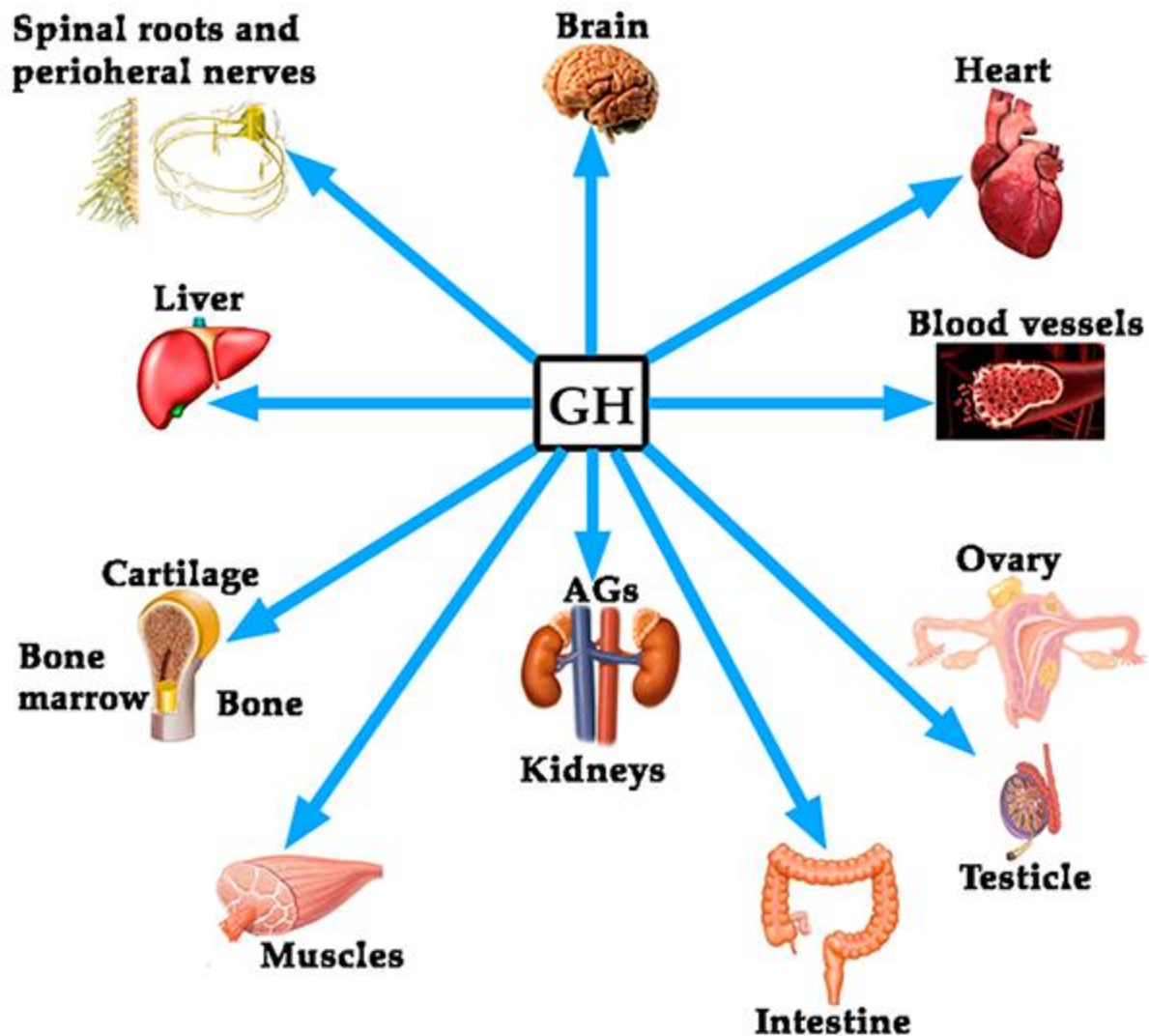
- **How This Patch Will Restore Collagen Levels And Youthful Skin Strengthen And Repair Ligaments And Tendons And Elevate GH Levels**
- Here at our AgeForce Research & Development laboratory we've been well-aware of both, the pervasiveness of osteoarthritis and related tendon and cartilage problems as well as the urgent need for non-pharmacological interventions to stop and reverse the degradation of collagen, cartilage tissue and, ideally, rebuild the bone cushioning that's already been lost. And finally, the need, as we age, to restore youthful GH levels.
- In the recent years, more and more people who either suffer from joint stiffness or beginning osteoarthritic pain try to address their problem by consuming dubious and often very expensive "collagen hydrolysates" that are essentially just overpriced pre-digested gelatin powder. In the acidic and proteolytic milieu of your digestive tract, these supplements are easily broken down into their amino acid constituents and often metabolized by the liver before they even find their way into your blood stream. A patch that transports the small, in many cases biologically active (=the peptide also works as a signaling molecule) peptides across the skin barrier and right into the blood stream from where they will reach their relevant destination in the cushioning between your bones and the tendon-architecture of your body.
- **Innovative: NEM® - Natural Eggshell Membrane Extract has anti-inflammatory regenerative peptides random collagen hydrolysates don't have and it is delivered alongside the GH boosting MK-677 peptides right into your bloodstream by our new AgeForce® MK-677 transdermal time-release patch.**
- Needless to say, our R&D laboratory didn't simply blend the MK-677 in our latest patch innovation with mere gelatin or random collagen hydrolysates. While those would provide the most important, albeit non-essential amino acid building blocks for collagen synthesis (glycine, proline, and hydroxyproline they lack the mandatory anti-inflammatory properties that allow the damaged cartilage to heal and strengthen your tendons and ligaments.
- To facilitate these processes the "MK677 + Collagen, Cartilage and Ligament patch contains an extract from the thin membrane that protects the liquid content of the egg from its calcified shell – a patented natural eggshell membrane extract, in short NEM™.
- **Berberine** - So, MK-677, NEM® and... what about the third compound in the patch? Berberine the major bioactive, yellow alkaloid (C₂₀H₁₉NO₅) that has been extracted from several traditional medical plants such as goldenseal and used in traditional medicine for centuries.
- **This new patch will allow you to harness the rejuvenating power of the synthetic growth hormone secretagogue MK-677 aka 'Ibutamoren', we're proudly introducing the "MK-677 + Collagen, Cartilage and Ligament patch is the world's first and most effective transdermal high-dose MK677 supplement with Berberine and a unique collagen-promoting, anti-inflammatory peptide that's extracted from the thin,**

semi-transparent membranes that protects and contains the liquid part of the egg from and in its calcified shell. This patch will help you to eliminate fine line skin wrinkles and strengthen tendons and ligaments.

- **The "MK-677 + Collagen, Cartilage and Ligament Patch has also been specifically formulated to help you optimize and rejuvenate your endogenous (*your body's own*) growth hormone production to benefit from the far-reaching physiological benefits of this vital polypeptide hormone and its downstream metabolites such as IGF1&2 and MGF.**
- One of the central problems with GH-RT seems to be that it constitutes a rather random and eventually unphysiological interference with our body's natural ability to regulate the timing and amount of growth hormone that's circulating in our blood. When it became clear that growth hormone is secreted in response to signals from a tightly controlled regulatory system in the hypothalamus, roughly 50 years after its initial discovery, scientists saw an opportunity to advance the efficacy and safety of GH replacement therapy by using growth hormone-releasing peptides (GHRP) instead of plain HGH injections – the rationale behind this indirect approach to raise patients' GH levels was to allow more room for endogenous negative feedback and other regulatory mechanisms that could reduce the risk of side effects (and/or shut-down of the natural GH production) significantly.
- Scientists set out to develop GHS alternatives that would mimic the desirable effects of ghrelin without the unwanted side effects of the "hunger hormone". With **MK-677**, the researchers eventually came up with a safer, more effective alternative: an alternative the efficacy and safety of which is backed up by half-a-dozen of human studies.
- **Berberine in this patch formula is so important!**
- In view of the fact that berberine is primarily known for its therapeutic potential in cardiometabolic disease, you may rightly wonder why it made it into the "MK677 + Collagen & Cartilage"-Patch formula. Well,... Berberine (BBR) which is a >2000 year-old staple of traditional Chinese and Ayurvedic medicine is the perfect complement for our innovative GH-rejuvenating patch, as it addresses both of the most commonly heard issues with high-normal growth hormone levels: insulin resistance and the putatively increasing risk of developing cancer.
- Despite its longstanding use in Eastern traditional medicines, the mechanisms by which berberine helps patients with heart disease, diabetes mellitus and other inflammatory metabolic diseases have only been identified recently: the increased expression of AMPK and SIRT1 (improves glucose metabolism, helps clear senescent cells (\cancer prevention), increases beta-oxidation), significant increases of LDL receptor expression (lowers 'bad' LDL cholesterol) and increasing levels of PCSK9, and PTP1B (improves the fatty acid metabolism), are only a few examples on an ever-extending list of mechanisms, of which scientists have argued for years now that it warrants that berberine finally gets the pharmacological attention it deserves.



- *Figure 1: Therapeutic potential of BBR in cardiometabolic diseases. Current researches support that BBR may play a therapeutic role in the treatment of cardiovascular disease (including atherosclerosis, heart failure, myocardial infarction, arrhythmia, abdominal aortic aneurysm, stroke) and metabolic diseases (including nonalcoholic fatty liver, obesity, diabetes and its cardiovascular complications | from [Feng 2019](#))*
- Even the most eager proponents of the use of berberine beyond the traditional medicinal practice are yet aware of the fact that its effective usage for and beyond the treatment, and more importantly, prevention of cardiometabolic, inflammatory diseases ranging from T2DM to cancer is berberine's low oral bioavailability.



- With our patches' unique ability to gently breach the protective layer of the epidermis a single "MK677 + Collagen, Cartilage and Ligament patch will deliver a comparatively high dosage of the proven antioxidant, anti-inflammatory, and anti-diabetic compound right into your bloodstream. counter the physiological but still unwanted marginal reduction in insulin sensitivity that has been observed as a natural regulatory response to the release of free fatty acids from the fat cells that is one of the essential mechanisms by which growth hormone exerts its well-known beneficial effects on your body composition.
- Berberine is a transdermally highly available agent with "pharmacological properties and multispectrum therapeutic applications" (Imenshahidi 2019) on its own; and an agent of which dozens of "clinical studies [...] show that [it] can display its therapeutic activities in the treatment of different diseases including diabetes, hyperlipidemia, cancer, hypertension, stroke, metabolic syndrome, polycystic ovarian syndrome, and liver disease in human subjects" (Imenshahidi 2019).
- **About Growth hormone** in short "GH", to many people the term probably conjures images of 6.6+ feet tall pro-basketball players. And that's not totally off: The amount of GH your body produces during your growth spurts is part of what determines how tall you're going to get. With its pleiotropic (*producing more than one effect*) effects on organ, bone and cartilage health, metabolism,

body composition, etc. The hormone was discovered 64 years ago (1955) by Cho Hao Li at the *University of Berkley* is yet far more than its name and its earliest known function would suggest.

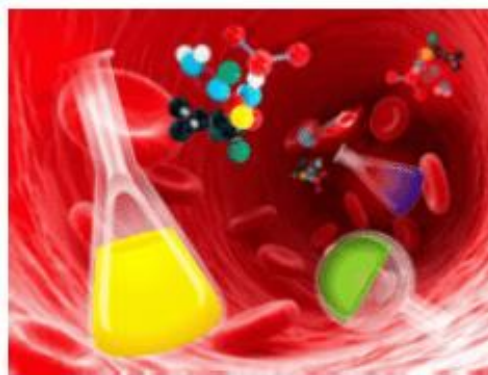
- A brief glance at the individual benefits overview of physiological effect growth hormone exerts on the human body leaves no doubt: GH is not just one of the most important anabolic hormones in our bodies, it is also an **important prerequisite for healthy aging.**
- With its anabolic, metabolic, and bone preserving effects growth hormone is interesting for anyone from the professional athlete to your grandpa or grandma for whom growth hormone replacement therapy, in short GH-RT, is so beneficial.

Multi-Vitamin Patch

- With hundreds, perhaps thousands of perfectly good multivitamins to choose from, why should you consider our Multi-Vitamin transdermal time-release patch? When you swallow any multivitamin supplement, only a very small percentage of the vitamin supplement's nutrients survive the powerful digestive acid bath in your stomach! Fact: Up to 90% of the multivitamin supplement dosage you swallow is degraded and destroyed before leaving the stomach and entering the small intestines, where they are absorbed into your bloodstream. Compare that to the time-release transdermal delivery of our multi-vitamin skin patch where over 97% of our vitamin formula is delivered directly to your bloodstream, which is where it must go to work! Add to that is the 8-hour time release function of the skin patch that assures bioavailability
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Degraded By Stomach Acid



Direct To Bloodstream Delivery

-
- **Q** If up to 90% of a multi-vitamin dosage is degraded or destroyed by the digestive acids in the stomach. Is there any way to confirm that this is happening?
- **A** Yes there is: Your kidneys eliminate "waste" via urine. The normal color for urine is pale yellow to deep amber based on one's level of hydration. When you swallow a daily multi-vitamin, your urine color soon changes to a neon yellow/green. This urine color change indicates that the degraded, or destroyed, vitamin nutrients are being eliminated as waste.
- **Our Formula – We Only Use The Most Effective Pharmaceutical Versions – Never The Less Expensive Commercial Options!**
- **Note:** *With direct to bloodstream delivery you multiply dosage levels by 50-100 times. For example: 10mg of Vitamin A delivered transdermally is the equivalent of 500mg to 1,000mg taken orally.*
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Nitric Oxide Booster Patch

More Nutrient Rich Blood To Your Muscles With No Additional Cardiac Demand Because of its impressive ability to dilate human blood vessels in a way that allows for significant increases in blood and thus nutrient and oxygen flow to the musculature and other organs, nitric oxide (NO) has long been thought of exclusively as a “pump” supplement. A closer look at the research, however, reveals that it would be shortsighted to think of NO boosters like our very own “Nitric Oxide Booster” Patch as mere “pump supplements”.

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Nitric Oxide

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- **NO and your cardiovascular health:** Nitric oxide helps you maintain and achieve normal blood pressure levels. Eventually, even the detrimental effects of smoking are partly mediated via the smoking-impaired reduction of endothelial nitric oxide synthesis (Barua. 2001).

Optimal NO levels will thus protect you from all the potentially fatal secondary diseases (heart disease, stroke, etc.) that have been associated with chronic hypertension (Haynes. 1993; Stamler. 1994).

- **NO and your immune system:** Despite the fact that “today, there is no simple, uniform picture of the function of NO in the immune system” (Bogdan. 2001). There’s no doubt about the important role of nitric oxide in the maintenance and function of our immune system. It’s after all nitric oxide that’s used by our body’s pathogen police, the white blood cells, to attack viruses, bacteria, fungi, protozoa, helminths, and even tumor cells (MacMicking. 1997).

- **NO and your metabolic health:** Next to the previously discussed health effects, nitric oxide has also been identified as an important regulator of glucose control. In this regard, NO's ability to increase glucose transport in skeletal muscle (Balon. 1997) is particularly intriguing and could be of great interest to both, athletes and sedentary, often overweight individuals (Bogdanski. 2012).

Some scientists even go so far as to speculate that the natural increase in NO production that occurs with acute and chronic training (Jungersten. 1997) may be partly responsible for the well-known exercise-induced improvements of blood glucose management. The impaired NO production in diabetics, on the other hand, is part of the vicious cycle that makes it so difficult for diabetics to normalize their glucose levels and lose weight.

- **NO and your brain / CNS health:** Without nitric oxide our brains' neurotransmitters system cannot function properly. Studies that used an NO-synthase inhibitor, which prevents the local conversion of precursor molecules as you can find them in our "Nitrix Oxide Booster" Patch to nitric oxide, found that a lack of nitric oxide production inhibits the release of neurotransmitters like serotonin, which makes you happy, and dopamine, which gets you going (Garthwaite. 1991; Yun. 1997). Needless to say that this may have far-reaching negative effects on how you feel and behave.

Nitric oxide is also heavily involved in the differentiation and regeneration of cells of our nervous system; and even though "the precise functions of NO in developing and regenerating neurons remain unclear" (Bredt. 1994), scientists know for sure that reduced nitric oxide levels as they occur with aging, diabetes and several other common ailments promote the progression of cognitive decline.

- **NO and your sexual function:** It stands a nitric oxide mediated increase in vasodilation can have profound beneficial effects on male sexual function (Burnett. 1992; Toda. 2005). It's thus not surprising that herbs and foods that improve the availability of nitric oxide have been used as 'natural Viagra' for centuries (Cormio. 2011; Bryan. 2015). Diabetes or smoking, on the other hand, mediate their ill effects on erectile function in men at least partly by their detrimental effect on penile nitric oxide synthase (Xie. 1997; Liu. 2015).

Men are yet not the only ones whose sexual function critically depends on the presence of sufficient levels of nitric oxide and its influence on the previously discussed production of serotonin and dopamine, as well as its direct impact on the production of fertility hormones via the NO-induced release of the luteinizing hormone releasing hormone aka "LHRH" (Mani. 1994).

- **NO and your athletic performance:** While the best-known effect of Nitric Oxide supplements within the fitness community is, as previously pointed out, their ability to increase "the pump", the athletic / performance effects of powerful nitric oxide boosters like our "Nitric Oxide Booster" Patch go well beyond improvements of the way you look and feel during your workouts.

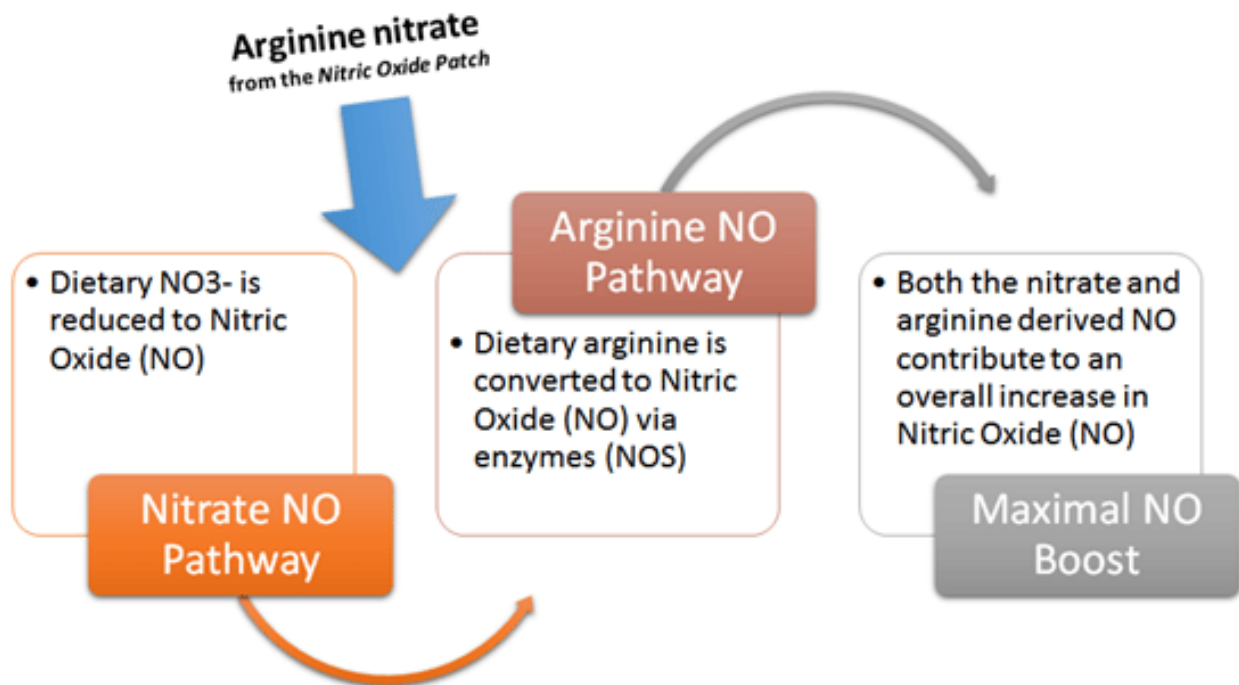
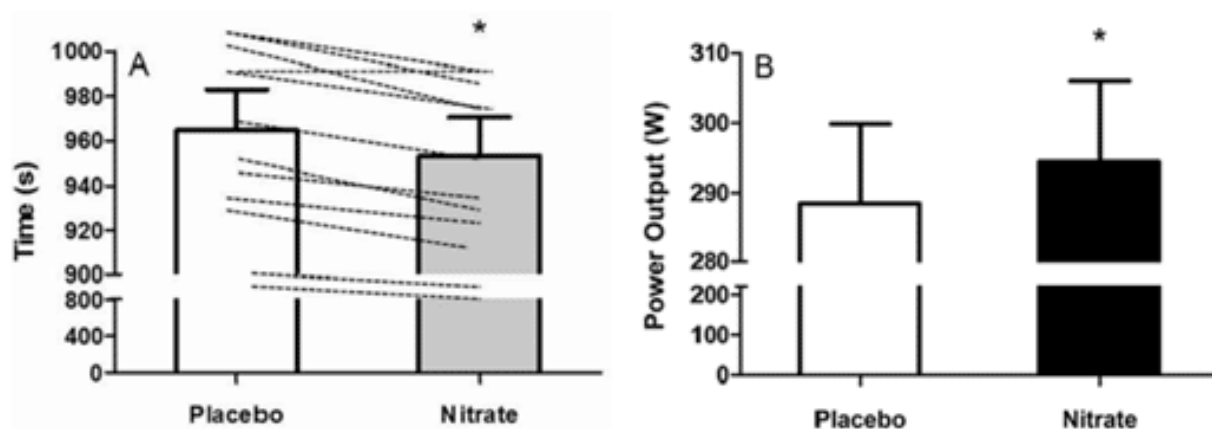


Figure 3: The reformulated nitric oxide patch feeds into both pathways, the arginine NO pathway (classic) and the nitrate NO pathway to maximally boost your NO levels.

By feeding directly and without first-pass in the liver into the “arginine > nitric oxide”- and the “nitrate > nitric oxide”-pathways, the reformulated “Nitric Oxide Booster” Patch induces significantly more pronounced increases in NO production than any of the first generation arginine-only products you may have tried.



Resveratrol Patch

Resveratrol is a natural product derived from grapes and other food products. It could be the most potent natural anti-cancer agent known to man. Resveratrol is a potent inhibitor of oxidative stress and inflammation. It has been shown to prevent, treat, or cure atherosclerosis, diabetes mellitus, chronic obstructive pulmonary disease, cancer, Alzheimer's, and even cancer! All of these diseases are associated with chronic inflammation, mitochondrial decay, and/or DNA damage.

Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

Resveratrol – The Full Spectrum Health Molecule

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So Many Benefits Resveratrol is thus one of the most promising natural treatment options for people who are either suffering or at risk of developing NAFLD. Only partly related to its beneficial effects on body weight, glucose, and lipid metabolism are Resveratrol's beneficial effects on cardiovascular and endothelial health are most likely being mediated by resveratrol's ability to significantly increase the production of nitric oxide. An effect for which resveratrol has also become also commonly used ingredient in premium quality pre-workout products and supplements that are designed to improve male and female sexual desire and performance. A recently published study proves that resveratrol exerts almost the same beneficial effects on critical parameters of cellular aging as a caloric restriction in human beings, provides initial evidence of the existence of similar anti-aging effects.

Anti-Aging? Scientists are yet still skeptical. They hope for significant increases in life expectancy to occur in man, just like in current experiments with mice. The impact of chronic resveratrol supplementation could still be huge! Long-term studies to prove and quantify these effects are on their way, we may soon be able to say for sure how significant the anti-aging effects in human beings are.

The Advantages Of Our MaximizeHQ Resveratrol Skin Patch More than 99% of Orally Ingested Resveratrol Won't Make it into the Bloodstream! The molecules are broken down or metabolized by the bacteria in your gut, the cells in your intestinal walls, or the liver, which acts as a gatekeeper between the intestines and the general blood circulation, way before they can exert any of the previously listed health benefits. **The direct-to-bloodstream dosage delivery of the MaximizeHQ skin patch bypasses the entire digestive system so the 75mg dosage of Trans-**

Resveratrol (The highest pharmaceutical quality of resveratrol available) is 100% bioavailable for full benefit!

TB-500 (Thymosin Beta 4)

What Is TB-500

TB-500, also known as Thymosin Beta4 is a naturally occurring peptide in the human body. It was discovered in 1965. Like other peptides (BPC-157 & MK-677) TB-500 is an amino acid linked chain. It works by increasing angiogenesis (blood Vessels) in and around damaged tissue.

In some respects, TB-500 supplementation produces many of the same benefits as HGH supplementation with several additional benefits as shown below:

Benefits Similar To HGH Supplementation

- Increase Flexibility
- Reduce Inflammation
- Speeds Healing For Tissue Injury
- Increases Muscle Growth
- Increases Endurance
- May Promote Hair Growth
- Anti-Aging

Benefits Unique To TB-500

- Regenerates Muscle Tissue
- Increase Blood Vessels
- Promotes Cellular Growth

TB-500 helps to regulate and promote cell building proteins (actin) and muscle cells. (myosin) It promotes tissue injury healing and flexibility. In some cases it restores hair growth and hair color. There are current studies to determine if TB-500 can play a role in healing damaged heart tissue.

Bottom Line: TB-500 supplementation with our transdermal time-release patches is wonderful for healing injuries, moderating symptoms of tendonitis, improved flexibility and perhaps renewed hair growth and color restoration, and many of the other benefits associated with HGH supplementation. (See Above)

Taurine Patch Plus

Could Taurine be the long-sought Fountain of Youth? A new study reported in the [New York Times on June 8, 2023](#), reports that Taurine could very well slow the aging process. To that end our Research & Development laboratory has formulated our science-based transdermal time-release Taurine Plus skin patch. We named it "Taurine Plus" because in addition to Taurine we have added Collagen, Vitamin B6 and Vitamin D to the formula. [Learn More About Taurine and our Taurine Plus Skin Patch Formula](#)

Taurine is an organic compound that is widely distributed in animal tissues and is particularly abundant in the brain, heart, and skeletal muscles. While taurine is often associated with energy drinks, it also plays various important roles in the body, including regulating osmotic pressure, modulating neurotransmission, and supporting cardiovascular health.

Regarding its potential effects on longevity and anti-aging, there is published research specifically focused on taurine's impact in humans. Most of the available evidence comes from animal studies and cell culture experiments. Here are some key findings:

- **Oxidative stress and inflammation:** Taurine has been shown to possess antioxidant properties, helping to combat oxidative stress and reduce inflammation. Both oxidative stress and chronic inflammation are associated with aging and age-related diseases. By reducing these factors, taurine may contribute to healthy aging.
- **Mitochondrial function:** Taurine has been found to support mitochondrial function, which plays a crucial role in energy production and cellular health. Declining mitochondrial function is a hallmark of aging, and taurine's ability to support mitochondrial activity may have potential anti-aging effects.
- **Cardiovascular health:** Taurine has been extensively studied for its cardiovascular benefits. It can help regulate blood pressure, support heart muscle function, and improve lipid profiles. Maintaining cardiovascular health is considered important for longevity.
- **Neuroprotective effects:** Taurine has demonstrated neuroprotective properties, including the ability to protect against oxidative stress, reduce neuroinflammation, and enhance cognitive function. These effects suggest a potential role for taurine in promoting healthy brain aging.

We've Added Collagen, Vitamin B6 and Vitamin D to our Taurine Plus Formula to Create a Multifaceted Approach To Anti-Aging And Longevity

- **Collagen.** is one of the most abundant proteins in the body and helps form our skin, bones, muscles, tendons and ligaments. As we age, we naturally start reducing its production. Some studies show that taking collagen supplements can reduce signs of aging, increase bone density and improve joint, back and knee pain. But many of these studies are small and funded by the companies behind such products, increasing the opportunity for bias. Certain products also have

flaws that reduce the likelihood of their efficacy: Topical creams, for example, are unlikely to make it into the deeper level of the skin where collagen is produced.

- **Vitamin B6.** This essential nutrient is involved in a number of chemical reactions that are important for proper functioning of the immune and nervous systems. As with the other essential vitamins, the body cannot produce B6 on its own, so you can only get it from foods (such as tuna, salmon, chickpeas, poultry, dark leafy greens, bananas, oranges, cantaloupe and nuts) or supplements. Most healthy adults get more than enough vitamin B6 from their diets alone, so B6 supplements are generally not needed.
- **Vitamin D.** Our bodies need this vitamin for the gut to absorb calcium, which bones need to grow and stay healthy. People, including those with conditions like celiac and those who are deprived of sunshine may benefit from Vitamin D supplementation.

While these findings about Taurine are promising, it's important to note that more research is needed to establish a clear link between taurine and longevity or anti-aging effects in humans. The existing studies have been mainly conducted in animals or in vitro, and human clinical trials are limited. Additionally, individual responses to taurine supplementation may vary due to factors such as age, overall health, and genetic predispositions.

Testosterone Booster Patch

In the public debate on testosterone and testosterone replacement, it's often difficult to separate fact from fiction. News and magazine reports, which deal with the effects of testosterone and testosterone replacement therapy, often revolve around the abuse of illegal anabolic steroids and the purported ill health effects of androgen replacement therapy. If you look at the latest scientific publications, however, you will find that... There is no convincing evidence that would support that there is an increased risk of overall, or prostate cancer risk, specifically, for men over 40 utilizing long term testosterone therapy (Eisenberg. 2014)

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Testosterone – The Muscle Building, Fat Burning, Strength and Bone Builder

The Food and Drug Administration has not evaluated the statements on this resource education page. Natural ingredients mentioned are not intended to diagnose, treat, cure or prevent any disease. No nutrient claims are made. All content is shared as educational information and is not meant to be construed as medical advice, nor should any content be used to self-diagnose or treat any medical condition; the material on this page does not take the place of professional care provided by a physician. The information on this page is fully referenced from source material published from studies and clinical trials available online.

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Long-term testosterone therapy in men with low testosterone reduces the risk and ameliorates the severity of the metabolic syndrome in observational, long-term studies (Traish. 2014)

Low free testosterone levels increase the risk for Alzheimer disease in older men (Moffat. 2004), while testosterone treatment reduces the neuronal secretion of Alzheimer's β -amyloid peptides (Gouras. 2000)

Androgen replacement therapy with testosterone will induce and maintain beneficial effects on sexual function and mood, lean and fat mass, and bone mineral density in hypogonadal men in the absence of pathological changes in hematocrit and hemoglobin, lipid and PSA (marker of prostate cancer risk) levels (Wang. 2004)

It would be possible to continue this list of peer-reviewed scientific evidence that refutes the commonly heard objections against testosterone replacement therapy and the normalization of age-induced or other declines in testosterone. The pharmacological replacement of testosterone is yet only the last resort for those of us in whom the endogenous (=the body's own) testosterone production cannot be restored by diet, exercise and the use of dietary supplements.



Natural Testosterone Boosters – The 100% side-effect free alternative to TRT

Within the bodybuilding and fitness community, the producers of natural testosterone boosters often try to create the impression that the 40-90% increase in testosterone you can achieve with orally administered testosterone boosters would induce the same anabolic effects bodybuilders and "chemical athletes" experience on high doses of synthetic anabolic steroids. What you can expect, are ...

- Significant increases in your natural testosterone production,
- An increased feeling of general well-being and energy,
- Improvements in sexual function and desire,
- Measurable increases in long-term muscle and strength-gains,
- Visible improvements in body composition (fat mass ↓, lean mass ↑), and Improved bone health and strength

... and all that without any of the short- and long-term side effects of exogenous steroids, which include the occasionally irreversible suppression of the endogenous testosterone production and / or the reduction of the natural amount of estrogen in your body by agents that cannot be converted to estrogen (Incedon. 2003). An effect, which is by no means as beneficial as some of the shiny ads may have it. Estrogen is

after all highly relevant for optimal brain, heart, bone and overall metabolic health in both, men and women (Bilezikian. 1998; Toung. 1998; Lombardi. 2001).

The natural advantage

Unlike exogenous androgens, like natural testosterone boosters, or any of its synthetic analogs, will optimize not override the testosterone levels of both young and old man. It will counter the age-induced decline in testosterone production and maintain optimal testosterone levels in periods of intense training and / or restricted dietary energy intake.

Next to androstenetrione (6-OXO;) Testo100® exerts its unparalleled testosterone boosting effects through the following synergistically acting ingredients:

- *D-aspartic acid*, which has been shown to increase the natural testosterone production of testosterone in healthy men (age 27-67) by up to 45.5% within only three days (D'Aniello. 2008)
- *Stinging nettle root*, which has been shown to increase total testosterone levels in rodent studies by 10% (Fischer. 1992), increase the amount of free testosterone by competitively binding to SHBG in human and rodent studies (Chrubasik. 2007) and limit the negative effects of supraphysiological androgen levels on prostate growth (Nahata. 2012)
- *Fenugreek*, of which a recent study in the *Asian Journal of Pharmaceutical and Clinical Research* confirms that it will significantly and safely increase both free and total testosterone levels in healthy, non-exercising young men (Thakurdesai. 2014)
- *Forskolin* from *Coleus Forskohlii*, which has repeatedly been shown to increase testosterone levels in young and old men and is one of the agents, where the 17.85% increase in testosterone Godard et al. observed went hand in hand with similarly significant improvements in body composition when the supplement was administered to 30 overweight and obese men (Godard. 2005)

The formula is complemented by Muira Puama, a proven aphrodisiac (Shamloul. 2010) that supports the libido- and erection boosting effects of testosterone, of which studies indicate that they are not always sufficient to increase both, the physiological and physiological aspects of male libido (Boloña. 2007).

Weight Management Patches

The MaximizeHQ transdermal weight control patch features an exclusive weight management formula with hoodia appetite suppressant and seven specific peptides that burn fat safely, plus 7-Keto DHEA to keep new fat from being stored. With a transdermal fat-burning patch, the active ingredient bypasses your digestive system, and your bloodstream absorbs it. The best weight loss patches provide controlled delivery over a prolonged period and are easier to use. A fat-burning patch is also great for people who have a difficult time swallowing pills, and they're painless and convenient.

Directions For Use: Apply One Skin Patch For 8 Hours Daily: (30-Skin Patches – 30-Day Supply)

The best way to lose weight is through a combination of diet and exercise. **It is important to create a calorie deficit by consuming fewer calories than you burn through daily activities and exercise.** A diet that is high in protein and low in processed carbohydrates can be effective for weight loss. It is also important to get enough sleep and manage stress levels. **For maintaining weight, it is essential to have a balanced diet and regular physical activity.**

Studies show that every year, "losing weight" is the #1 New Year's resolution "People buy low-calorie and low-fat foods, deny themselves desserts, drink only artificially sweetened beverages, join commercial weight-loss clubs (and buy their special and especially expensive prepared meals), visit "fat farms," take diet pills of one sort or another, submit to liposuction, and exercise obsessively to burn calories. Every new remedy is greeted with a wave of enthusiasm, from amphetamines and thyroxine in the 1960s to Olestra, fenfluramine, phentermine (fen-phen), and sibutramine in the 1990s. The goal is to reach the elusive American ideal, to be slim, fit, and forever young.

Make Your Losing Weight Resolution an ongoing Life's Resolution and here is how to do it:

#1 Stick to Regular Sleeping Habits and Get 6-8 Hours of Sleep Every Night! Studies show significant correlations between obesity and a lack of sleep or, to be more precise, a lack of regular sleep patterns. Seven to eight hours of sleep and being in bed at a fixed time every night should be your objective. That's not only because this may decrease your appetite and reduce your desire for sweet and salty junk foods.

#2 Get Off the Couch and Take the 10,000+ Steps a Day! You do not have to become a marathoner or start every day with a ten-mile jog. If you have been a couch potato for at least ten years, just move, start by using a step-counter. Make sure you get in at least 10,000 steps a day. If you fail your goal for two days in a row, make up for the missing steps by an extended walk in the park. While being more active, taking the stairs and walking to the office, instead of taking the bus is important, doing that is not enough to develop the physique most of us are dreaming of. The logical next step is to embark on a workout program with three workout days for beginners and five

workout days for advanced trainees. The same goes for high intensity interval training (HIIT). Numerous studies have shown that HIIT will ramp up your metabolism, improve your glucose management and promote fat over simple weight loss in both lean and obese individuals. Also, working out intensely (resistance training and HIIT), has another significant advantage: High intensity exercise, like running curbs the cravings and reduces the energy intake of the trainees compared to low-to-moderate intensity exercise.

#3 Don't "Diet"! Change Your Diet – Forever! Now a lack of exercise is one thing; the most common reason people do not achieve their weight loss goals; however, is a different one. It is "dieting." This may sound absurd at first. Still, the whole concept of "going on a diet" to lose weight temporarily is intrinsically flawed because it implies that you would be allowed to go back to your previous eating habits when the unwanted extra weight is lost. This, however, is not going to happen, unless you want to ruin your results and end up fatter and healthier than before.

How much you eat is not the only thing that counts. On the contrary, what you eat does matter! It does, of course, make a difference if you are living on Twinkies and Dingdongs all day or eating a whole-foods diet with a relatively high content of high-quality protein sources like lean meats, chicken, fish, dairy, and eggs. Now, "high protein" does not mean that 50% or more of your energy intake should come from protein. It means that each of your meals should contain 30 – 40 grams of high-quality protein, i.e., a protein with a high amount of essential amino acids, such as fish, meat, dairy, eggs, soy, chicken, etc. By sticking to this rule of thumb and consuming three square meals a day, you will be able to fix your average protein intake at a minimum of 90 – 120g per day and to:

#4 Take Supplements but Choose Wisely and Don't Overestimate their Power! Some of the protein in your diet may come from protein supplements, particularly for those of you who work out. Thirty grams of whey protein consumed within one-hour post-workout, will promote an anabolic response and help you maintain and build lean muscle mass. As you might imagine, it's challenging to formulate an oral weight management supplement that can effectively survive this onslaught. **How much of the original active ingredient makes it into your bloodstream? The loss of active ingredients can range from a few percent, such as in caffeine to 90% or more. Perhaps this explains why so many diet aids leave you with the jitters, but no weight loss.** You're paying for oral supplements that are largely destroyed by stomach acid, filtered out by your liver, or eliminated. Why bother with oral supplements that lose so much of their effectiveness?

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#5 Start Today! We hope we've delivered on providing guidance to implement those lifestyle changes required to meet your weight management goals; proper rest and recovery, exercise, a healthy nutrition plan, motivation, and supplementation in the form of the best weight loss patch available from MaximizeHQ.

Whey Protein patch

makes all other Whey supplements obsolete! Why is that?

When you shop whey protein powders or other oral supplements, you should be aware that a very high percentage of whey protein isolates taken orally are degraded or destroyed by powerful digestive acids in the stomach. Compare that to our Isolate Protein Supplement patch with our time-release direct to bloodstream delivery. This patch delivers 100% of the whey isolates!

Our Whey Protein Patch Secret Sauce – You can shop whey protein from dozens of companies but we take whey protein isolates 3 steps further!

1. Pharmaceutical Grade Whey Protein as WPLs
2. Glutamine & Glutamic Acid
3. Branched Chain Amino Acids (BCAAs)
Leucine, Isoleucine, Valine



About Whey Isolates

Whey protein isolates are a dietary supplement that is formulated by the separation of whey. Whey is by-product created when cheese is produced from milk. Whey isolates contain the highest percentage of protein.

Whey Isolates have a high concentration of Branched chain amino acids (BCAAs) that are critical for muscle tissue and the essential fuel for muscles.

Muscle Growth Workout & Exercise Performance

Whey protein isolates delivered by our whey protein supplement patch are so important for men and women at any age to increase muscle growth and both workout and exercise performance, and most important, one's body's protein recovery!

Benefits Of Whey Protein Supplement Patch

- **Delivers Proteins and Amino Acids for increased muscle growth**
- **Release anabolic hormones to stimulate muscle growth**
- **Delivers Leucine to stimulate protein synthesis**
- **Direct to bloodstream delivery for instant liver synthesis**

Other Benefits Of Whey Protein Isolates

- Lower Blood Pressure
- Reduce Stress