



## 60 Capsule Bottle

Serving Size 2 Vegan Capsules	Amount Per Serving	% Daily Value
Servings Per Container 30		
Black Ginger	140 mg	*
Turmeric	76 mg	*
Cordyceps	60 mg	*
Amalaki	60 mg	*
Blue Butterfly Flower	60 mg	*
Black Pepper	4 mg	*

\*Daily Value not established  
Other Ingredients: Hypromellose (Vegetable Capsule)

**Suggested Use:** As a Dietary Supplement, take 2 capsules, per day after a meal.  
Weight per capsule: 494mg - Gross Weight: 55.2g

Manufactured in a GMP, Halal, FDA, US Approved Facility  
Slam Superherbs, 149/9. M1, T. Muang Kaew, A. Mae Rim, Chiang Mai, 50180 Thailand.  
[www.cptsuperherbs.com](http://www.cptsuperherbs.com)

**CELLULAR PRESERVATION TECHNOLOGY**  
C.P.T. retains nutritional values and sustains the complex synergy of the plant just as it grows in nature. Gives Highest Nutrition, Bioactivity and Bioavailability.  
A proprietary way of producing concentrates from herbs and plants through natural disintegration without crushing, grinding, pressure, heat or other destructive means that would otherwise destroy live enzymatic matter, nutrients and bioactivity. Only water removed.

Made in Thailand. FDA No

Black Ginger	51-1-01753-6-0013
Turmeric	51-1-01753-6-0014
Cordyceps	51-1-01753-1-0016
Amalaki	51-1-01753-1-0002
Blue Butterfly	51-1-01753-6-0001

Warning: Consult your Physician before using this product if you are pregnant or nursing, taking medication or have a medical condition. Keep out reach of children under age 18 years. Do not use if seal is broken.

## FEMALE WELLNESS

### Supporting

**Overall wellness - Cognitive Function(Nootropic) – Antioxidants – Polyphenols - Increase Blood Flow, Oxygen and Nutrients to the Brain and Extremities - Protect from Neurodegenerative Diseases such as Alzheimer’s and Parkinson’s - Anti-Inflammation - Cancer Protection - Cardiac Health - Anti- Depressant - Anti-Aging - Female Reproductive System Support... Decrease Period Pain - Fight Cancer – Increase Energy Levels - Relieves Fatigue - Speeds Recovery - Kidney Health – Reduce Blood Sugar Levels - Increase Libido**



CPT Superherbs Female Wellness Formulation uses the synergy of nature’s super herbs acting along multiple metabolic pathways to enhance one another. Each of these herbs deliver amazing benefits on their own, but in combination you should experience dramatic effects after a short time. There will, at the same time, be actions that support your well-being and longevity at deeper levels which may be less immediately obvious.

### Ingredients

**Black Ginger:** Another rare botanical, black ginger is the only variety of ginger that has the deep purple pigments (found in blueberries, acai, Mangosteen rind etc.) that contain high levels of antioxidants. Black ginger is most often noted for its ability to increase blood flow carrying oxygen and nutrients to the extremities. This not only includes increased blood flow to the sexual organs, but also to the brain which may help to protect us from neurodegenerative diseases such as Alzheimer’s and Parkinson’s. In addition to supporting libido, cognitive function and overall wellness as are significantly aided by black ginger.

**Cognitive Health:** We mentioned that black ginger stimulates dopaminergic functions in the human brain. Parkinson's disease is caused by a loss of dopamine secreting neurons. Dopamine relays messages to the area of the brain that regulates coordinated body movements and with less dopamine people are less able to control these movements. Alzheimer's disease characterized by impaired memory and cognitive functions are linked to substantial disturbances in dopamine regulation in the brain. ADHD (Attention Deficit Hyperactivity) is also associated with decreased dopamine activity. Boosting dopamine naturally can help to treat depression and bipolar depression. The ability of black ginger to stimulate dopaminergic function may greatly contribute to cognitive health.

## **Chemical Constituents:** (The chemical compounds found in Black Ginger)

5, 7-dimethoxyflavone

5-hydroxy-3, 7, 4'- trimethoxyflavone

5-hydroxy-3, 7-dimethoxyflavone and most major flavones compounds

**Turmeric and Black Pepper:** Turmeric contains hundreds of chemical species including a variety of curcuminoids working together in synergy. If we isolate one or several curcuminoids we exclude others that contain essential oils that help make Turmeric easier for your body to absorb and metabolize. While Curcumin is the most notable and most important of the curcuminoids in turmeric its benefits are more effective if it is not isolated as a single extract.



**Brain Function and Health:** Curcumin crosses the blood-brain barrier to exercise a direct influence in reducing oxidative damage and inflammation in the brain. Our CPT Process also captures bioactive compounds such as aromatic-turmerone which encourages the growth of nerve cells creating the potential to help repair the brain and thereby prevent neurodegenerative problems associated with dementia such as Alzheimer's. Allegorical support for the benefits of turmeric includes the low incidence of Alzheimer's in areas such as India where turmeric (contained in their curry) is a staple in their daily diet.

Neurons form new connections and also grow and multiply in the brain. A growth hormone, essential to this process is BDNF (Brain-Derived Neurotropic Factor). This hormone decreases as you grow older. Decreased levels of BDNF are linked to brain disorders such as Alzheimer's disease, depression (see below) and age-related decreases in cognitive functions. Curcumin has been shown to increase levels of BDNF.

**Anti-Inflammation:** Inflammation is part of the body's natural defense system, repairing damage and fighting foreign invaders, but when short-term inflammation becomes chronic, appropriate therapeutic interventions are needed.

Turmeric displays powerful anti-inflammatory effects. Given the fact that inflammation is linked to a wide spectrum of health issues including heart disease, metabolic syndrome, arthritis, and degenerative nervous system disorders such as Alzheimer's disease and contributes significantly to the aging process, turmeric makes a great daily supplement to your diet.

The protein tangles know as Amyloid plaque are a feature of Alzheimer's disease that Curcumin can help to clear. In doing so, Turmeric may prove to help slow down and even reverse of progression of Alzheimer's.

Curcumin supplementation has shown the ability to effectively improve the symptoms of rheumatoid arthritis (joint inflammation) due to its anti-inflammatory prowess.

Turmeric is a highly effective anti- inflammatory as powerful as anti-inflammatory drugs that have a long list of negative side effects. Curcumin acts on the molecular level to block NF-kB, a molecule that travels into the nucleus of cells and turns on the gene expression for inflammation. This effectively interrupts the inflammation cycle.

**Antioxidant Capacity:** A wide range of diseases and effects of aging are associated with free radical imbalance. Excessive free radicals that attack our healthy cells are kept in check by antioxidants. Curcumin has a double antioxidant effect. It contains strong antioxidant compounds that neutralize free radicals and, at the same time, boosts the body's natural ability to synthesize the enzymes that act as our endogenous antioxidants. It acts along both of these metabolic pathways at the same time.

**Cancer Protection:** Studies show that Curcumin reduces the growth of blood vessels in tumors, reduces metastasis (spread of cancer) and contributes to apoptosis (the death of cancer cells). Proof that Curcumin can treat cancer in humans has yet to be proven, however there is evidence that it may prevent some cancers from occurring in the first place, specifically cancers of the digestive system (such as colon cancer). In a study of 44 people with lesions of the colon that tend to turn cancerous, 4 grams of Curcumin per day for 30 days reduced the number of lesions by 40%.

**Cardiac Health:** Heart disease, the greatest killer of mankind, is a complicated matter with various contributing factors. One of the major causes of heart disease is endothelial dysfunction which is the inability of the endothelium to regulate blood pressure, blood clotting and other factors. Studies attribute Curcumin with improvements in endothelial function as effective as the drug Atorvastatin. This is in addition to the reduction of inflammation and oxidation which greatly affect cardiac health.

In a study involving 121 patients undergoing coronary artery bypass surgery, the patients were randomized to either placebo or 4 grams of Curcumin per day, only a few days before and after the surgery. The Curcumin group demonstrated a 65% decreased risk of heart attack in the hospital.

**Anti-Depressant:** Curcumin shows promise as an anti-depressant. Depression is linked to reduced levels of brain-derived neurotrophic factor (BNDF - a brain growth hormone) and a shrinking hippocampus (the area of the brain associated with learning and memory). Curcumin has been shown to boost levels of BNDF and there is evidence that Curcumin boosts neurotransmitters in the brain such as serotonin and dopamine. In a study of 60 patients suffering from depression, Curcumin was shown to be as effective as Prozac in alleviating symptoms of depression.

**Anti-Aging:** Given curcumin's anti-inflammatory and antioxidant capabilities, support of heart function, and defense and prevention against cancer and neurodegenerative disorders, Turmeric has become known as an anti-aging supplement.

**Female reproductive system support:** Turmeric plays an important role in supporting the female reproductive system. Estrogen is a female sex hormone essential for fertility and menstrual cycle function. Turmeric has activities mimicking the activity of estrogen.

Turmeric is known to decrease pain during periods. Thai scientists have investigated Turmeric's antispasmodic action which can help regulate menstrual cramps. Back pain and body aches associated with menstrual cycles. Rather than taking painkillers with a host of negative side effects, turmeric's strong anti-inflammatory effects address this pain without any known negative side effects.

Turmeric stimulates blood flow including in the pelvis and uterus. This helps to remove and purify stagnant blood which, in turn, helps to normalize menstruation and bring the uterus back into proper shape as well as function.

Endometriosis is a disease affecting approximately 15% of women of reproductive age and can lead to infertility. Its causes are not fully understood, but hormonal imbalance (specifically excess estrogen) and oxidative stress seem to play a significant role in its mediation. Curcumin (the main ingredient in Turmeric) modulates the secretion of estrogen and its antioxidant activity can help to repress oxidative stress related to endometriosis and it is causing infertility in women.

Non-cancerous tumors growing in the walls of the uterus ("uterine fibroids") develop in 80% of women by the age of 50. The powerful anti-inflammatory properties of Curcumin inhibit the growth and reduce proliferation of uterine fibroids.

Cancers and tumors and specifically the growth and proliferation of breast cancer are treated with turmeric which may help to inhibit breast cancer cells from secreting factors that are necessary for the progression of the cancer to other organs. India, with the world's highest consumption of turmeric has the world's lowest incidence of breast cancer.

Ovarian cancer (the leading cause of deadly gynecological cancer) is treated with turmeric which has been shown to inhibit the growth of ovarian cancer cells and cervical cancer can be kept in check with the use of turmeric to act against estradiol – a female sex hormone which promotes the progression of cervical cancer.

Women may take uterine medications to stimulate frequency and intensity of contractions. Turmeric is a mild and relatively safe uterine stimulant. This can be a problem with pregnant or lactating mothers and, in such cases, this and other products using turmeric should be taken only after consultation with your doctor.

To dramatically increase the absorption of Curcumin into the bloodstream it is helpful to consume black pepper (which contains piperine) which enhances the absorption of Curcumin by up to 20 times. For this reason our premium freeze dried Curcumin powder contains appropriate levels of black pepper.



**Cordyceps** is perhaps most well known as a rejuvenator. It increases your energy level, relieves fatigue, and speeds recovery. This makes Cordyceps an attractive supplement for athletes seeking to maximize performance and for the elderly but it equally applies to people of all ages and walks of life as we face today's fast paced modern stressful lifestyle.

Originating in the Himalayan Plateau, cordyceps is a rare medicinal mushroom that provides energy, not by using up your stored energy (typical of stimulants) which creates an energy boost often followed by a "crash", but by increasing ATP, the basis for your energy production at the cellular level. This natural energy is the reason that it is included in many products that boost libido.

Oxygen intake and utilization are also a specialty of cordyceps which also provides kidney support, cardiac support and has a great many other significant health benefits.

The double effect of increased ATP and better oxygen utilization from the use of Cordyceps provides more fuel to burn and more oxygen to burn it with.

Cordyceps contains polysaccharides such as Beta gluten which activate and stimulate the immune system. The bi-directional regulation of immune function is known as immunomodulation. When Cordyceps is taken by a patient in an immune-deficient state (cancer, HIV) white blood cells increase in quantity and activity. When the same Cordyceps is given to someone in a hyper-immune condition (Lupus, Rheumatoid arthritis) the quantity and activity of white blood cells decrease while red blood cells increase.

Inherent in the structure of Cordyceps is an antitumor mechanism. Cordycepsin lacks an oxygen atom in a particular position where an oxygen atom is required to create a bond that effectively forms the ladder structure that holds DNA together. DNA replication cannot occur in the absence of this oxygen atom. So while Cordyceps does not kill active cancer cells it may prevent them from replicating and bring the cancer under control.

Kidney health seems to be a cornerstone of the body's wellness. When kidneys fail the effects are felt in many other organs and systems. In this sense, the positive effects of Cordyceps on the kidneys support overall health and homeostasis.

Fatigue, impotence, anemia, hypertension, joint and back pains are all symptoms of poor kidney health. Chronic kidney failure tends to affect the elderly as our natural healing capabilities decrease with age.

Cordyceps is a traditional herb used as a kidney tonic and is now being widely used for patients to reduce anemia, lower blood pressure and improve kidney function with no adverse effects. Thai physicians focusing on the pharmacological properties of cordyceps suggest its use to treat critical stage kidney disease.

One side effect described by those who use Cordyceps is its aphrodisiac and sexual potentiator qualities for both men and women. Cordyceps was used for thousands of years by Asian physicians to improve physical (including sexual) stamina and performance as recorded in "*The Classic Herbal of the Divine Plowman*" (written around 200 AD).

Sexual dysfunction affects 43% of women compared to 31% of men, yet the attention seems to focus on treatments of male erectile dysfunction. Cordyceps is a good natural approach to this issue for women.

It helps to balance the communication pathways between the brain and the body. The HPA (hypothalamus-pituitary axis) balances levels of estrogen and testosterone.

Cordyceps helps to optimize adrenal functions which promote the natural flow of sex hormones.

Cordyceps supports energy production at the cellular level which increases energy including sexual energy and interest.

Boosting antioxidant actions and inhibiting destruction of nitric oxide promote natural vaginal lubrication and sexual function.

Anti-inflammatory effects of Cordyceps helps to control levels of pro-inflammatory cytokines which tends to block their dampening effect on sexual desire and activity...

Cordyceps inhibits production of the enzyme 5-alpha reductase which increases sexual desire for women.

Cordyceps is useful in regulating abnormal menstruation in women and sexual dysfunction including impotence. Increased kidney function (discussed above) helps to protect against water retention and also regulates growth hormone production which has an effect on increased egg extruding in women.



### **Blue Butterfly Pea Vine** - scientific name- *Clitoria ternatea*

Butterfly Tea has a beautiful deep cobalt blue color that lead many to believe that this gorgeous plant was actually a gift from nature; they have a shape similar to female genitalia from which it derives its scientific name. Aside from its many culinary uses, the blue butterfly pea vine has been used in Ayurvedic as well as traditional Asian and Middle Eastern medicine and its health benefits are increasingly supported by modern science.

#### **Health Benefits:**

- **Nootropic.** Enhances cognitive functions including heightening intelligence and enhancing memory via acetylcholine localized to the hippocampus
- **Anxiolytic.** Reduces stress and anxiety – calming effect
- **Relaxes.** Smooth vascular muscle aiding blood flow
- **Analgesic.** Helps to relieve pain to the extent it is used as a local anesthetic
- **Diuretic.** Promotes excretion of water (urination) which decreases blood volume thereby lowering high blood

pressure, also used for fast but typically temporary weight loss

- **Anti-inflammatory.** The deep blue flowers contain flavonoid pigments similar to blue berries, acai berry, mangosteen rind etc. that protect the plant. When you ingest the flower the effect is remarkably similar to the anti-inflammatory effect of the plant in nature.
- **Anti-Asthmatic.** assessed by passive cutaneous anaphylaxis
- **Anti-microbial.**
- **Anti-anxiety.** and depression with indication that high doses may be adaptogenic
- **Anti-convulsion.**
- **Anti-diabetic.** activity by inhibiting glucose intake from the diet
- **Anti-cancer.** and anti-tumor abilities resulting from cyclotides that cause cell death by disrupting cell membrane integrity
- **Anti-pyretic.** reduces fever by dilating the blood vessels just beneath the skin which increases blood flow near the surface of the skin where it can be more easily cooled by the air
- **Eyes.** The presence of the anti-oxidant, proanthocyanidins helps to improve eyesight by increasing blood flow in the capillaries of the eyes which also allows the eyes to adjust to changes in light and improves vision. The blue butterfly pea vine flowers have been shown to effectively prevent cataracts and glaucoma, correct blurred vision, and reverse retinal damage as well as soothing inflamed and tearing eyes.
- **Hair.** The blue butterfly vine flower, rich in bioflavonoids, has been used traditionally to promote hair growth, thicken the hair and reduce greying of the hair.
- **Skin.** Anti-oxidants in blue butterfly pea flower stimulate collagen and elastin synthesis helping to rejuvenate the skin, reduce wrinkles and other effects of aging skin.
- **Aphrodisiac.** Traditionally used as an aphrodisiac particularly for women and used to treat problems associated with menstruation as well as leucorrhoea (white vaginal discharge).

**Healthy Convenience:** Our blue butterfly Powder is unique. Normally, if you can find this tea at all, it will be in the form of dried flowers. You will steep the tea and then throw away the flowers, drinking only the mildly infused water. You've just kept the bath water and thrown away the baby!

This provides a concentrated dose requiring only a very small quantity of powder and provides the benefits of this amazing plant in concentrated form. In this concentration the cost per serving is very reasonable. In this stable dry powder with shelf life of two years, you have availability of the highest quality all year round regardless of the flowering season.

#### **Cellular Preservation Technology - Well Preserved:**

We dry the freshly harvested tea grown at our doorstep immediately upon harvest. This results in a highly bioactive product with a moisture level typically less than 0.3% making it a stable product that will not mold or degrade. Freeze drying is the best way to preserve the value of the flowers and leaves of the blue butterfly pea vine and Cellular Preservation Technology is miles way ahead of conventional freeze drying in terms of sustaining the synergistic intelligent cellular and molecular structure of the plant as closely as possible to how it exists in nature. For detailed information regarding our proprietary Cellular Preservation Technology (CPT) please refer to our website: [www.cptsuperherbs.com](http://www.cptsuperherbs.com)

## **Ladies: 3 Reasons You Need Testosterone**

DAILYWELLNESS MAY 16, 2019 [HORMONES](#), [WOMEN'S HEALTH](#)

**Want more energy, sex drive, and confidence? This "guy's hormone" is yours, too.**



Do you ever feel so tired, you could just sleep all day?

When you think of someone with high levels of testosterone, what comes to mind?.....A man, right?

Hulking muscles? Pumping iron at the gym? Maybe even grunting a bit?

**Produced naturally by your adrenal glands, and (surprise!) your ovaries, we usually think of testosterone as a guy's hormone.** But it's very much your hormone too, and when it comes to your overall health and youthful vitality, testosterone may very well be your secret weapon.

First, let's debunk the #1 myth about testosterone – that women can ignore it – and get a clear picture of how it works in your body.

## What does Testosterone do for Me? (A Woman?)

We like **BodyLogic MD's straightforward definition of testosterone**, and how it functions in a female individual.

They write:

“Testosterone in women has many functions. It is important for bone strength and development of lean muscle mass and strength. Testosterone also contributes to overall sense of well-being and energy level. It is best known for its crucial role is a woman's sex drive or libido.”

They also explain why testosterone levels diminish – a common issue for women:

“Similar to other hormones, the onset of perimenopause and menopause cause the decline in production of testosterone (by at least 50%) in women. Again, hysterectomy with or without removal of the ovaries will cause a more significant decline in testosterone levels. Also, high levels of stress can divert the precursors for testosterone hormone production in women over to cortisol production and create a further reduction. High stress levels can also contribute to symptoms earlier in the perimenopause when a woman is in her late thirties or early forties. This means less energy, brittle hair, less bone and muscle strength, and a diminished sexual drive. A hysterectomy and some prescription drugs can also result in lower levels of testosterone for women.”

We'll cover how to (naturally) restore your testosterone levels in a moment, but first, let's go into a little more depth on testosterone's benefits.

### 1. BETTER SEX DRIVE

One of our favourite natural health physicians and women's health experts, Dr. Laurie Steelsmith, lays out the benefits of testosterone pretty clearly in her book, *Great Sex Naturally: Every Woman's Guide to Enhancing Her Sexuality through the Secrets of Natural Medicine*. She writes:

“Testosterone, with the assistance of estrogen, stimulates nerve receptors in your brain, igniting your pleasure circuitry and setting sexual feelings and arousal in motion. At the same time, testosterone can give an added jolt to your sexuality by increasing your clitoris's sensitivity to the touch.”

Raise your hand if that sounds pretty awesome?

Dr. Steelsmith also notes that testosterone plays a role in modulating the actions of dopamine – a brain chemical that allows you to feel joy and pleasure.

### 2. IMPROVED FAT TO LEAN MUSCLE MASS RATIO

Healthy levels of testosterone have also been shown to increase bone density (essential for women as we get older), decrease body fat and cellulite, and increase lean muscle mass. That's because testosterone is important to female metabolic, sexual, and muscular function, because it increases muscle protein synthesis – and, makes you more motivated to undertake physical activity in the first place.

Testosterone varies so vastly with age though, that it's one of the reasons a woman's body can change so drastically between, say, college, and the time her kids are going off to college. By the time women reach their 40s, testosterone levels may be reduced by as much as 50 % as compared to women in their 20s. Half as much!

Interestingly, exercise (especially resistance training) can help you naturally build up more testosterone – keep reading for tips on that. But while we're on the subject of age, let's also applaud testosterone for...

### 3. AN EASIER MENOPAUSE

Menopause is a change, but it doesn't have to be a horrendous one, and keeping your testosterone levels in check will help. Menopause expert and author [Ellen Dolgen](#) writes,

“Women begin experiencing low “T” during their menopausal journey, which may begin a decade earlier than when menstrual periods stop...Women with low testosterone levels can experience depression, fatigue, weight gain, bone and muscle loss, and cognitive dysfunction. [But adequate] testosterone can sustain skin elasticity and tone, encourage heart health, boost libido, help prevent osteoporosis risks, decrease body fat and increase muscle strength.”

So if energy and youthful vitality are goals for you in your 40s and 50s, it's not just your “womanly” hormones (i.e. estrogen and progesterone) that you need to pay attention to. Good “T” levels will significantly aid the transition.

### ...BUT CAN THERE BE TOO MUCH OF A GOOD THING?

In a word: yes.

Many conditions can lead to naturally high testosterone, including polycystic ovarian syndrome or an ovarian tumour during pregnancy. In some cases, too-high testosterone can also be prompted by hormone therapy, and [according to the Natural Acne Clinic](#), unusually high levels of androgens (such as testosterone) have a way of triggering acne, not to mention excessive facial and body hair.

So as it comes to your entire hormonal system, the key takeaway here is balance. That means addressing your hormones as an interdependent system, rather than attempting to inflate one hormone up to artificially high levels. That approach can backfire, and yield health (not to mention appearance) results you do not want.

### SO HOW DO I IMPROVE MY LEVELS?

There are several ways to do it, but let's focus on two natural methods: exercise and supplementation.

Building more muscle mass will automatically improve your body's levels of free testosterone, but exercise also wards off stress, and that is critical to the equation. That's because the release of excessive cortisol (your stress hormone) diminishes your body's production of testosterone, which is why the chronically stressed feel so tired. Supplementations will also further your goal of healthy “T” levels, but it's important not to view testosterone in isolation. Your entire endocrine (hormonal) system works in tandem with one another, and in a woman's body, the dance of estrogen, progesterone, and testosterone is especially delicate. Together, estrogen and progesterone perform a counter-balancing function to testosterone, and without them, testosterone levels in women can rise to unhealthy levels.

So again: it's all about balance. And when it comes to your body's usage of this “guy's hormone” (which hopefully you're chuckling at by now), that's a very good thing.

Our products are formulated to address the root cause rather than just a symptom of a problem





## The Technology – Cellular Preservation Technology (CPT)

Cellular Preservation Technology or CPT is a proprietary technology which utilizes a modified form of freeze drying.

Freeze Drying has been used for centuries however the common industry standard freeze dry method typically uses traditional 'static' freeze drying with a further process of mechanical grinding.

### Image 1 – Traditional Vs Cellular Preservation Technology (CPT)

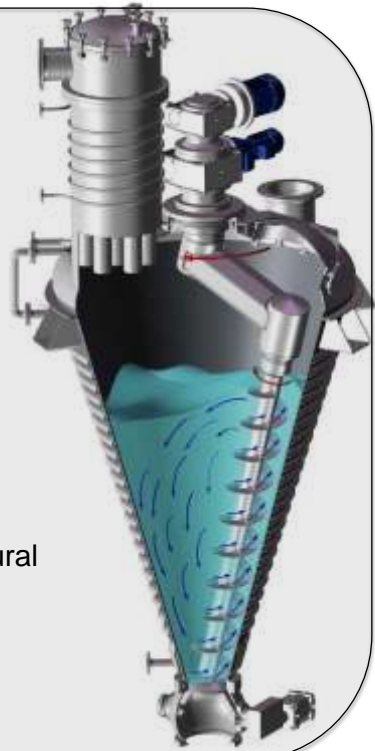
#### Traditional freeze drying



- multi-step process; bacteria and mould growth risk.
- static materials sitting on trays; 10-20% residual moisture
- product ground into a powder; product cell structure destroyed

#### Cellular Fracture Line technology

- 1-step process
- super frozen particles fly around in the product chamber
- no mechanical grinding.
- brittle material motion and sublimation of ice structure that hold it together causes product to break along natural elemental fracture lines.
- <0.1% residual moisture



CPT is a key component in the creation of our functional foods. It allows us to preserve a whole food in its fresh form, thus maintaining all of the medicinal activity of a live plant while providing the safety of a stable commodity.

This proprietary and transitional preservation process gives us the unique ability to provide a superior product compared to anything else available on the market today. The 'secret' to our technology is the Herbs are dried while they remain frozen in a vacuum state, rather than sitting motionless on trays (as in the traditional tray freeze drier), the product is flying round in a vortex.

The deeply flash-frozen CPT granules decrease in size due to sublimation of the connecting ice structure and break into increasingly smaller particles along natural elemental fracture lines.

This creates a smaller particle size and porous structure without cellular hemorrhaging, caused by mechanical grinding of the traditional process as used in the industry today. CPT particles are much more easily absorbed and metabolized (more bio-available), and are more soluble for use as a catalyst ingredient in other formulations.

### **Solubility**

As a food ingredient our herbs are highly soluble. Solubility ties into taste as well as ease to combine with other ingredients. This high level of solubility (enhanced by the CPT freeze dry process creates a more soluble particle structure),

### **Fresh Super herbs and Super foods**

As soon as our botanicals are harvested they naturally begin to degrade. It is critically important to get them into the CPT process immediately after harvest. The logistics are challenging in any case, but the fact that they are grown at our doorstep in the mountains surrounding Chiang Mai, Thailand makes it all possible.

### **Higher Bioactivity Superior Efficacy**

The objective achieved by CPT is preservation not only of the targeted ingredients but preservation of the entire cellular and molecular structure of the live plant. This is achieved by:

- An Evolutionary and Transitional Freeze Dry Process where the product is never exposed to the destructive oxidative forces of heat.
- Plant tissue fractures between/along the layers of the cell walls preserving cellular integrity and improving the retention of the bioactive intracellular contents.
- Water removed as a liquid at an extremely low constant temperature (minus 55 deg C) evaporates at a constant rate while the quantity of water steadily decreases. This creates surface tension. Any solid structure in contact with the water will normally experience surface tension strong enough to damage fragile cell walls; CPT removes water in its gaseous state (water vapor) and avoids this destructive surface tension.
- Exposure of the entire surface area to sublimation results in “even” drying which preserves cellular integrity.

The net result is preservation of the complex synergistic structure as close as possible to how it exists in nature. This translates to a more highly bioactive more effective powder.

### **Higher Absorption and Higher Bio-Availability**

Particles break down inside the product chamber with minimal need for mechanical grinding. They break down due to the movement of the super frozen particles and sublimation of the ice structure that holds the particles together. This causes them to fall into small porous particles along the natural Cellular Lines creating soft, porous particles which have more surface area per unit of weight and therefore are absorb more easily.

The function and value of our food supplements lie not in lab tests alone, but in their energetic breakdown and uptake inside your body and the preservation of enzymes, proteins and vitamins.

The ability of your body to store or use these nutrients is called bio-availability – yet another huge advantage of our Cellular Preservation Technology activated botanicals.

The quality and effectiveness of our Products are the result of the remarkable protocols and processes we employ from the fields to the finished product. For details on this evolutionary process, please contact us at [www.cptsuperherbs.com](http://www.cptsuperherbs.com)