

# Essante Calcium

**Essante' CALCIUM is a proprietary blend of several different calcium and magnesium compounds, plus boron, and Vitamin D3, the vehicles which carry incoming calcium to our bones.**

Our formulator designed this product with maximum absorption in mind. You will see the integrity of not only necessary minerals and vitamins, but also a variety of calcium compounds to maximize absorption of entire supplement, for young and old alike:

- calcium compounds include amino acid chelate, citrate, carbonate and gluconate),
- magnesium compounds (amino acid chelate, oxide, citrate),
- **plus** Boron (amino acid chelate) as well as Vitamin D3, the vehicles to carry calcium to our bones

**Let me explain as I understand how these compounds all work together...**

## **Calcium Facts:**

Calcium is one of the most abundant elements on Earth, so it natural that it is also the most abundant mineral in the human body.

- Calcium has many important roles it performs like signaling biochemical processes in cells, controlling muscle contractions, initiating DNA synthesis, and building bones.
- **The skeletal system houses 99% of the body's calcium and the other 1% circulates in the blood stream.**

I'd like to note here that calcium cannot be absorbed without Vitamin D, which is an important mineral essential for a healthy, functioning body. We'll also be talking about "targeting" other health situations with Vitamin D3 which is our other new product.

*Having said that.....let's also remember, calcium carries a 12 pH, and if most of our calcium is stored in our skeleton (our bones), then as our bodies become too acidic, we will leach the high 12 pH calcium from the bones, perhaps weakening them to neutralize acid. Our brain will prioritize our organs, and walking is a gift, you don't need your bones to survive, but you do need your heart, kidneys, liver, etc., so neutralizing acidity is important for optimal organ function.*

*We could generalize and say that osteoporosis and even weak bones, are the result of leaching calcium to the blood stream or the tissues to neutralize acidity.*

## **How Essante Calcium Works**

Not only does calcium maintain the integrity of the skeletal system, providing strength and structure to the bones and teeth. It also plays a crucial role in coagulation of blood, generation and transmission of nerve impulses, the contraction of muscle fibers, activity of enzymes, and critically, the release of some hormones that regulate digestion and metabolism. It is essential for wound healing and maintenance of cell membranes.

What this means, is everyone, man, woman, child, must have adequate amounts of calcium delivered into the body. Unfortunately, the degradation of our food chain has cheated us out of a lot of calcium, magnesium, boron, and Vitamin D is only available through many hours of sun, or from fatty fish.

So...understanding the vast majority of the calcium found in our bodies is in our bones and teeth-about 99 percent. The remaining one percent resides in the blood and soft tissues, let's look at our formula:

**PROPRIETARY FORMULA EXPLANATION** - The best news about our calcium is our combination of calciums ensure we are absorbing in a variety of ways and at different levels, all synergistic with what our blood, cells, tissues and bones require, and in harmony with our body's needs.

- 1. Calcium, Magnesium and Boron Amino Acid Chelators - what does this mean for us?**
  - amino acid chelates, enhance the passage of minerals through the intestinal wall into the blood, from the blood into the tissues, or through cell membranes into cells
  - chelators also carry mineral atoms into the body, or into the cells themselves, in larger amounts than the body would normally allow.
  - This chelator process allows the minerals (calcium, magnesium and boron) to then gain entry to the bloodstream and to other body tissues.
- 2. Gluconate, and Calcium Citrate** are most expensive forms of calcium supplement for a reason, they are easily absorbed, mostly through the digestive tract, which happens in smaller quantities and slower than as indicated above through the cells and tissues.
- 3. Calcium Carbonate** - Eight-five percent of all calcium supplements sold in the US are made from calcium carbonate, for a reason, Calcium Carbonate, while the least expensive in the compound, is also the most (pre-digestively) alkalizing.
- 4. Calcium Gluconate** – I like to refer to this as the “guard” calcium, guarding against low levels of calcium in the blood – we know when we have low levels in the blood, that's when we leach calcium from our bones.
- 5. 400 iu of Vitamin D** – Small amounts of Vitamin D work (for lack of better word) enable our compound of calciums. Our body's ability to make Vitamin D declines as we become older. However, it's role doesn't change, its major role is to increase the flow of calcium into the bloodstream, by promoting absorption and reabsorption of calcium, enabling normal mineralization of bone.