



CS b bioactive[®]
The most researched brand of chondroitin

WHAT IS CS b-BIOACTIVE[®]?

CS b-Bioactive[®] is the most thoroughly researched chondroitin sulfate on the market. Its efficacy and safety has been tested in **20 clinical studies and more than 5,000 patients**.

NOT ALL CHONDROITIN MOLECULES ARE THE SAME

- **Chondroitin sulfate is a complex biological substance.**

It has been demonstrated that different manufacturing process and source of biological starting material can lead to **different chemical structural properties with different biological effects**.

WHY IS CS b-BIOACTIVE[®] DIFFERENT?

- **Unique Molecular Properties**

CS b-Bioactive[®] production process ensures highly purified intact, consistent molecule with unique physico-chemical properties.

- **Better Absorption, Higher Biological Effects**

Comparative proteomic and in-vitro studies have demonstrated that **CS b-Bioactive[®] is better absorbed and induces a more powerful anti-inflammatory and anabolic response**, while some chondroitin molecules are less effective and even induce the activation of inflammatory and catabolic pathways.

- **No. 1 Researched Chondroitin**

- Tested in **more than 20 clinical trials (5,000 patients) and in a total of 43 scientific studies**.
- Proven effective in osteoarthritis, psoriasis and other chronic inflammatory diseases.
- Active ingredient of prescription drugs such as Condrosan[®], Cartexan[®] and Droglican[®].

- **Highest Quality and Safety**

- Manufactured to the **highest pharmaceutical standards**.
- **Reference standard** of EP & USP.
- **100% traceable**.



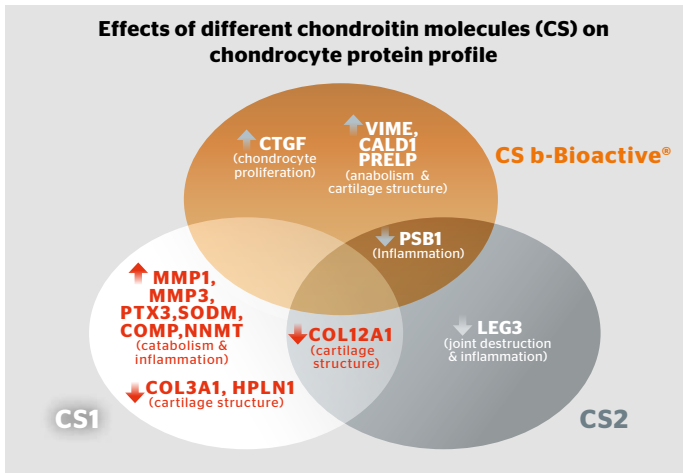
CS b-BIOACTIVE[®] BENEFITS

- Be sure your joint health products are **efficacious and safe**.
- Benefit from a **comprehensive scientific and marketing support program** aimed to boost the sales of your product.
- With the support of **Bioiberica**, a global leader in joint health.
- **The key to your success** in the joint health market.



SCIENTIFIC EVIDENCE

HIGHER BIOLOGICAL EFFECTS

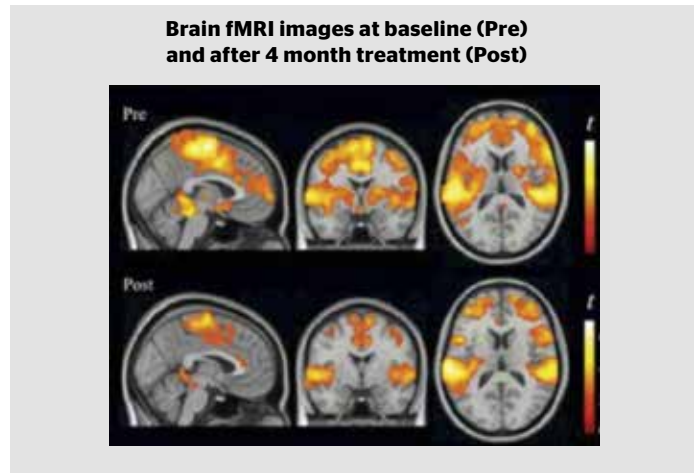


CS b-Bioactive® induces a powerful anti-inflammatory and anabolic response.

Other CS molecules are less effective or induce the activation of inflammatory and catabolic pathways.

Johanne Martel-Pelletier. 2015. *Molecules* 20, 4277-4289

OBJECTIVELY MEASURED PAIN RELIEF EFFECT

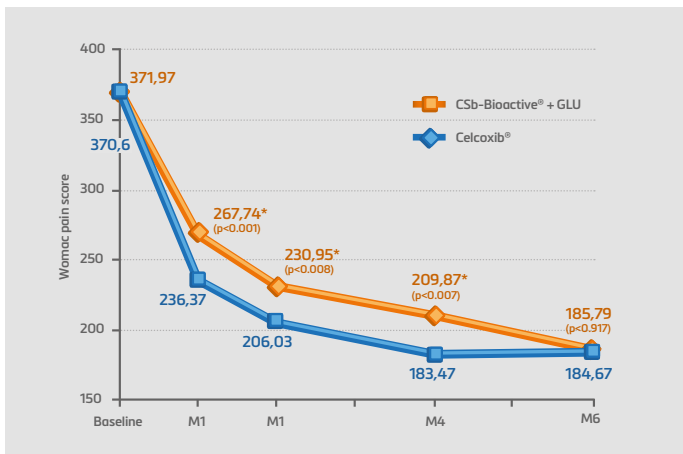


CS b-Bioactive® diminishes the brain activation in response to knee pain.

Results from a RCT (N=64) assessed by functional Magnetic Resonance Imaging (fMRI).

Monfort J. et al. *Ann Rheum Dis* 2014;73(Suppl2), OP0057:82

EQUAL EFFICACY TO CELECOXIB - IN COMBINATION WITH GLUCOSAMINE -

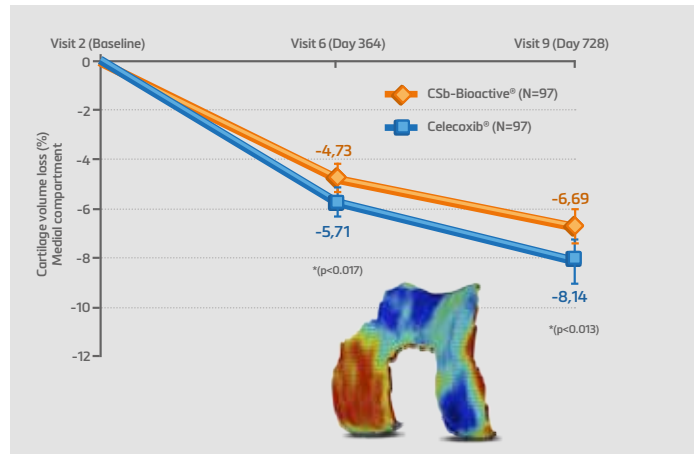


CS b-Bioactive® in combination with Glucosamine reduces 50% knee pain after 6 months, equaling the effect of anti-inflammatory drug Celecoxib.

Results from a Multicentric RCT (N=606) intervention study in patients with painful knee osteoarthritis. MOVES study.

Hochberg MC. et al. *Ann Rheum Dis*. 2015 Jan 14. [Epub ahead of print]

CARTILAGE VOLUME LOSS REDUCTION



CS b-Bioactive® significantly reduces cartilage volume loss from the first year of treatment.

Results from a Multicentric RCT (N=194) assessed by quantitative Magnetic Resonance Imaging (qMRI). MOSAIC study.

Pelletier J.-P. et al. "Proceeding of the 2015 ACR/ARHP Annual Meeting, San Francisco 7-11 of November"

Use: Management of Osteoarthritis and Joint Health | **Dose:** 800-1200 mg / day | **Qualities:** : USP, EP, JP, KP, RP



Since 1975, BIOIBERICA has steadily consolidated its position as an international leader in joint care. Its activities include the research, development, production and marketing of products for the pharmaceutical, food supplements and functional food markets. Vertically integrated, from the active ingredient to the finished product, BIOIBERICA places all its medical, scientific and marketing knowledge at the client's disposal to achieve a leading and innovative line of joint care products.



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