

# Acti-joint<sup>®</sup> pro



The ingredient your pet needs for good joint health

**Bioiberica** has developed **Acti-Joint<sup>®</sup> Pro**, a unique solution to support dogs and cats' joint health. The components of our proprietary formula have complementary mechanisms of action, providing a

comprehensive nutritional effect at various articular levels. Studies performed in different animal models have evidenced protective effects on the main joint structures.

**Acti-Joint<sup>®</sup> pro** is an exclusive functional ingredient combination designed for pet food formulations to provide the necessary nutrients to support joint health.

## COMPOSITION

### CSbioactive<sup>®</sup>

Chondroitin sulfate is an essential component of joint cartilage that helps to maintain joint functions and mobility.

### GLUCOSAMINE

Increases the synthesis of matrix components by the cartilage cells, especially in older animals.

### Mobilee<sup>®</sup>

Thanks to its Hyaluronic Acid content, helps to properly maintain the synovial fluid, which is essential to ensure joint mobility.

### Collavant<sup>®</sup>n2

Native type II collagen helps to preserve endogenous articular collagen.

## RECOMMENDED CLAIMS

The use of **Acti-joint<sup>®</sup> pro** is recommended to nurture and protect the joints of dogs and cats as follows:

- Food for senior animals with joint wear or loss of joint functionality and mobility.
- Food for overweight animals or overloaded joints.
- Food for animals with high level of exercise.
- Food for animals after joint surgery or post-traumatic conditions for a faster recovery of the animal.
- Food for young animals to support the nutrition of developing joints.

## PRODUCT DOSE in pet food

**Dog:** 2 kg/Tm  
**Cat:** 2,5 kg/Tm





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## TRIAL

Sifre, V., Soler, C., Redondo, J. I., Domenech, L., Segarra, S., & Serra, C. I. (2020). Macroscopic and histologic improvements in joint cartilage, subchondral bone and synovial membrane with

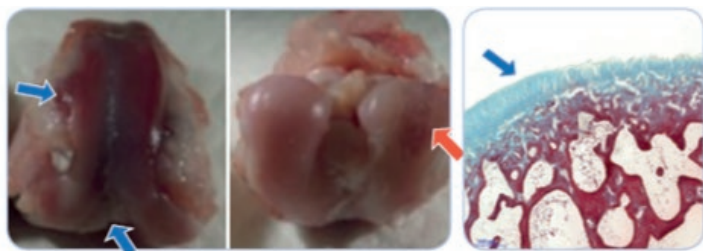
glycosaminoglycans and native type II collagen in a rabbit model of osteoarthritis. *Osteoarthritis and Cartilage*, 28, S206.

## PURPOSE

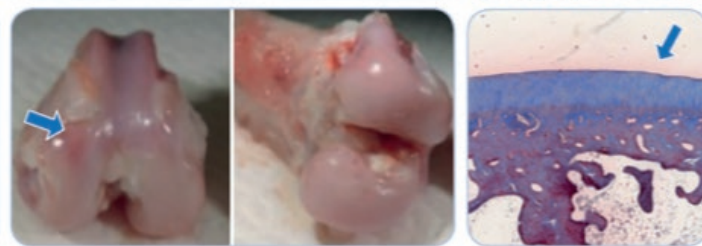
To evaluate the effects of an oral combination of chondroitin sulfate (CS), glucosamine hydrochloride (GI) and hyaluronic acid (HA), with or without native type II collagen (NC), on

articular cartilage, subchondral bone and synovial membrane in an experimental model of osteoarthritis induced by anterior cruciate ligament section in rabbits.

### Control



### Actijoint Pro



## CONCLUSION

In a rabbit model of induced osteoarthritis, a beneficial treatment effect on articular cartilage, subchondral bone and synovial membrane was achieved following oral administration of the combinations CS+GI+HA and CS+GI+HA+NC. Moreover, the addition of NC to CS+GI+HA allowed the combination CS+GI+HA+NC to provide even significantly better results in terms of macroscopic cartilage evaluation and microscopic synovial membrane assessment. Although extrapolations between species should be made with caution, data presented herein supports the potential usefulness of these combinations in human and veterinary medicine for the multimodal management of patients with joint conditions.

## OTHER PUBLICATIONS

Sifre V., Soler C., Segarra S., Ten-Esteve A., Serra C.I. (2020). Glycosaminoglycans combined with native type II collagen improve magnetic resonance imaging biomarkers in a rabbit osteoarthritis model. *Veterinary Surgery*, 49, O238.