

Adequan® Canine Video Transcript

We strive to keep dogs healthy, happy and moving throughout life's adventures. Active dogs need healthy cartilage to maintain effective joint function. In joints with osteoarthritis, the complex process of cartilage repair is unable to keep up with damage. Key components in the cartilage and synovial fluid are lost and not replaced. Increased catabolic enzymatic activity in damaged tissue creates more damage and inflammation. Thinning of the synovial fluid makes it less effective as a joint lubricant. Softening and loss of cartilage structural composition leads to a loss in its ability to cushion and disperse the forces applied to the joint. Eventually cartilage will fissure and expose bone, resulting in pain with every step.

Adequan® Canine (polysulfated glycosaminoglycan) is the only FDA-approved, disease-modifying osteoarthritis drug that inhibits cartilage loss in a dog's synovial joints.¹

After **Adequan® Canine** is administered and enters the bloodstream, it crosses the synovial membrane into the synovial fluid and enters the articular cartilage by diffusion. Efficacy studies have shown **Adequan® Canine** inhibits the loss of key joint components: proteoglycan, collagen and hyaluronic acid.¹ *In vitro* studies have shown that **Adequan® Canine** inhibits catabolic enzymes that destroy these molecules. At the same time, it has been shown to enhance the activity of anabolic enzymes that help provide the valuable building blocks for cartilage repair in joints. Together, **Adequan® Canine** helps to renew damaged cartilage. **Adequan® Canine**, in efficacy studies, has been shown to decrease inflammation of the synovial membrane, which is associated with the onset of osteoarthritis, and increase hyaluronic acid levels in the synovial fluid. Hyaluronic acid is an important lubricating molecule which helps to restore joint lubrication.

Adequan® Canine may help to: Restore joint lubrication.¹ Relieve inflammation.¹ Renew the building blocks of healthy cartilage.¹ Help dogs stay active longer with **Adequan® Canine**. The difference between feeling better and getting better.®

1. Adequan® Canine Package Insert, Rev. 1/19.

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