

**Product:** ORTHOFLEX gel®

**Composition:** Hyaluronic acid, Chondroitin sulfate, N-acetyl glucosamine

**Indication:** osteoarthritis, post-arthroscopy pain, following meniscus repair and previous crossed ligament reconstruction, auxiliary treatment for osteochondral defects

**Concentration:** Hyaluronic acid - 36mg/2,25ml  
Chondroitin sulfate - 67,5mg/2,25ml  
N-acetyl glucosamine - 6.75mg/2,25 ml

**Treatment:** 1 injection per treatment

**Molecular weight:** 3 MilDa

**Effect:** cartilage repair, mobility improvement, pain relief

**Packaging:** 2,25 ml prefilled syringe in medical blister

**Sterilization:** autoclave

**Technology:** biofermentation

**Shelf life:** 2 year

**Storage:** between +2°C and +25°C

ORTHOFLEX gel® is produced according to Good Manufacturing Practice (GMP) and ISO13485, being certified as a system with high quality ingredients, CE marked medical device and being in accordance with the European Directive 93/42/EE.

Storage: Store at 2- 25 degrees C, in the original package and do not freeze.

With a single injection administered by a specialist orthopaedic surgeon you will immediately notice pain relief and prevent surgical complications and emotional trauma.

zzORTHOFLEX gel®.

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**LOVE YOUR JOINTS!**  
**WE CANNOT IGNORE PAIN!**  
**WHY HURT WHEN YOU CAN PREVENT IT?**



**DISCOVER THE NEW PRODUCT CONTAINING**  
**ESSENTIAL ELEMENTS OF THE NATURAL ARTICULAR CARTILAGE**  
**HYALURONIC ACID • CHONDROITIN SULFATE • GLUCOSAMINE**

**ORTHOFLEX**  
**gel**

**INTRA ARTICULAR INJECTION FOR THE TREATMENT OF OSTEOARTHRITIS**  
**NEW INNOVATIVE THERAPY FOR REGENERATION OF ARTICULAR CARTILAGE**  
**SINGLE INJECTION PER TREATMENT**

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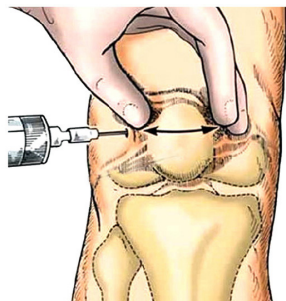
## What is ORTHOFLEX gel?

**ORTHOFLEX gel®** is a bio-matrix in the form of a sterile, viscoelastic solution, consisting of a combination of highly purified cross-linked biopolymers: hyaluronic acid, chondroitin sulfate and n-acetylglucosamine.

**ORTHOFLEX gel®** is an intra-articular injectable viscoelastic gel, used for treating osteoarthritis and it comes in a pre-filled, single dose syringe.

**ORTHOFLEX gel®** is very similar to the synovial fluid, a substance that occurs naturally in the joints, where it acts as a lubricant and shock absorber.

**ORTHOFLEX gel®** contains highly purified cross-linked biological polymers: hyaluronic acid in concentration of 36 mg per 2,25 ml, chondroitin sulfate 67,5 mg per 2,25 ml and glucosamine 67,5 mg per 2,25 ml. The high molecular weight of the gel (3,0 milDA) guarantees its excellent efficiency and a strong therapeutic effect.



## How does it work?

### HYALURONIC ACID + CHONDROITIN SULFATE + GLUCOSAMINE

**they work much more effectively when used together!**

**Hyaluronic acid** is major component of the synovial fluid and cartilage and is responsible for the lubrication and cushioning in joints, providing mechanic support.

**Chondroitin Sulfate** is a molecule that occurs naturally in the body. It is an important component of cartilage - the tough connective tissue that cushions the joints.

Chondroitin sulfate delivers nutrients to the joint cartilage. The body needs nourishment to heal and repair itself and Chondroitin Sulfate has been proven to provide the body with the building blocks for producing new cartilage, therefore stimulating the growth of new joint cartilage.

It can also block the enzymes that degrade cartilage and inhibits pro inflammatory factors secretion.

The elasticity and plasticity, which are the functions of the joint cartilage, can be maintained through the use of Chondroitin Sulfate.

**Glucosamine** plays a vital role in building and repairing cartilage.

One of the primary physiological roles of Glucosamine is in the joints, where it stimulates the manufacture of glycosaminoglycans (GAGs) and other key structural components of cartilage. Glucosamine is now considered an essential substance for maintaining healthy joints.

Studies have shown that Glucosamine and Chondroitin complement each other in inhibiting the production of inflammatory cells.

## What are the indications?

**ORTHOFLEX gel®** is a product for viscosupplementation, which is a safe, efficient and well established treatment in osteoarthritis. The treatment consists of injecting a hyaluronic acid and chondroitin sulfate based solution into the affected synovial joint.

**ORTHOFLEX gel®** acts as a supplement and a temporary replacement for synovial fluid. It protects the cartilage and it treats the pain and the restricted mobility and elasticity that follow traumatic pathology in the knee joint and other synovial joints.

**ORTHOFLEX gel®** is a solution for joint recovery after arthroscopy. By replacing the synovial fluid post-arthroscopy it will prevent post-operative complications.

It is also indicated for reducing pain after arthroscopy, meniscus repair, previous crossed ligament reconstruction and as an auxiliary treatment for patients with osteochondral defects.

## What is the treatment?

**ORTHOFLEX gel®** must be administered strictly intra-articular, twice a year, every 6 months, according to the doctor's recommendations.

Any joint effusion present should be removed by joint aspiration, before injecting **ORTHOFLEX gel®**.

After the injection, an articular rest of approximately 24 hours is recommended (no strenuous exercise), in order to augment the duration of the effect. General rest and applying ice to the injected joint are helpful.

Obtained by bio-ferment process, its synthetic origin makes **ORTHOFLEX gel®** completely safe, by eliminating any risk of allergic reactions.

**ORTHOFLEX gel®** is a sterile pre-filled syringe that has a shelf life of 2 years and is sterilized by the most efficient method, sterilized autoclave.

