

# ArthroHyal<sup>®</sup> Inject

## Intra-articular Gel

Rapid and direct treatment of pain  
and limited articular mobility  
in degenerative and traumatic changes in joints

Sodium Hyaluronate

2.2 % intra-articular



- **High molecular weight** Hyaluronic Acid: 1.5 - 1.8 mln. Daltons
- **Non allergenic fermented** Sodium Hyaluronate
- **High active** ingredient content: 2.2 % x 2 ml: 44 mg Sodium Hyaluronate per syringe
- Improves the **viscoelastic properties** of synovial fluid
- Impressive **reduction of pain**
- For **all** synovial joints
- **Only** 3 injections per cycle



CE 0481

# ArthroHyal<sup>®</sup> Inject

## Intra-articular Gel

### Composition

1 ml of solution contains 22.0 mg sodium hyaluronate of fermentative origin, a sterile, isotonic, apyrogenic, weak phosphate buffer solution, pH 7.2 and water for injection purposes.

### Source/Origin

The product, sodium hyaluronate 2.2 % is obtained by fermentation and used to improve the intra-articular viscosity, and has been subjected to steam sterilization for products for injection purposes.

### Therapeutic areas

Pain and limited articular mobility in the presence of degenerative and traumatic changes in the knee joint and other synovial joints.

### Application and dosage

The product is designed for once weekly intra-articular injection for a total of 3 intra-articular injections.

The beneficial effects of treatment with 3 intra-articular injections are sustained for at least 6 months; the treatment cycles can be repeated according to need.

### Properties and mechanism of action.

Synovial fluid contains hyaluronic acid, a substance that ensures the fluid's viscoelasticity and enables painless physiological movements owing to its lubricating and shock absorbing properties; moreover, synovial fluid supplies nutrients to the cartilage.

In the presence of degenerative disease the viscoelasticity of synovial fluid is significantly reduced, which limits articular mobility, causes pain, and effects destruction of the cartilage.

Supplementing synovial fluid by means of intra-articular injections of purified hyaluronic acid improves the viscoelastic properties of synovial fluid: as early as after one treatment cycle of 3 intra-articular injections, the mobility of the joint is improved and the pain of the degenerative lesions is reduced.

---

### Technical data:

Sodium Hyaluronate	2.2 %
Molecular Weight	1.5 - 1.8 mln. Daltons
Viscosity	ca. 250,000 - 350,000 mPas
Osmolality	270 - 400 mOsm/kg
Storage	2 - 25°C
pH	6.8 - 7.4
Volume	2.0 ml

### Formula [1 ml]:

Sodium hyaluronate	22.000 mg
NaCl 0.9%	8.500 mg
Disodium phosphate	0.563 mg
Sodium phosphate	0.045 mg
Water for injection	q.s
One Syringe contains 2 ml of solution.	
Sterilized by moisturized heat.	