

# ArthroHyal<sup>®</sup> Inject

3 Intra-articular Injections per Cycle

- 1 Syringe of 2.0 ml -

High Content: 44 mg Sodium Hyaluronate in a sterile  
pre-filled Syringe

Medical Device

44 mg Sodium Hyaluronate



2.2 % Intra-articular

Rapid and direct reduction of pain and limited joint mobility in  
degenerative and traumatic changes in all synovial joints

- **High content:** 44 mg Sodium Hyaluronate per Syringe
- **High concentration** 2.2 %
- **High molecular weight:** 1.7 mln. Daltons
- **Non-allergenic**, fermented sourced Hyaluronic Acid
- **Improves the viscoelastic properties** of synovial fluid
- Impressive **reduction of pain**
- For all **synovial joints**
- **Only 3 injections** per cycle
- **Duration of effect:** Up to 12 months



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## Composition

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

## 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 3 intra-articular injections per cycle.

The beneficial effects of treatment with 3 intra-articular injections are sustained for at least 6 month; the treatment cycle can be repeated according to need. Keep out of reach of children.

## Properties and mechanism of action

Synovial fluid contains hyaluronic acid, substance that ensure 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. As early as after one treatment cycle of 3 intra-articular injections the mobility and lubrication of the joint is improved and the pain of the degenerative lesions is reduced.

## Arthro Hyal Inject is:

Vegan ✓ Vegetarian ✓ Non-avian ✓

## Arthro Hyal Inject is also suitable for Athletes:

The product contains no banned or controlled substances.

## Technical data

|                    |                   |
|--------------------|-------------------|
| Sodium Hyaluronate | 2.2 %             |
| Molecular Weight   | 1.7 Mio. Dalton   |
| Viscosity          | ca. 300 000 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 hydrogen phosphate 2 H <sub>2</sub> O | 0.563 mg  |
| Sodium dihydrogen phosphate 2 H <sub>2</sub> O | 0.045 mg  |
| Water for injection                            | q.s.      |
| Sterilized by moistured heat.                  |           |
| Shelf Life: 3 ½                                |           |



Manufactured by: ProNovis GmbH  
Frei-Otto-Str. 6  
80797 Munich / Germany  
Tel.: +49 89 32 667 630  
Fax: +49 89 32 667 635  
www.arthroline.net / info@pronovis.net

