

ORTHOPEDICS

# KD Intra-Articular Gel®

KD intra-articular gel® is a superior viscoelastic sterilized solution based on biofermented sodium hyaluronate for intra-articular supplementation and replacement of the

synovial fluid in several joints. Synovial fluid contains hyaluronic acid that cushions, lubricates and protects bones and joint tissue.

- Pain relief and improved joint function
- Simple and fast treatment
- For all synovial joints
- Promotes wound healing
- Delays the degeneration process in the cartilage
- High molecular weight with superior viscoelastic properties
- Wide range of different viscosities and volumes



SPECIFICATION KD intra-articular gel®	1.0 %	1.6 %	2.2 %	2.5 %
Sodium hyaluronate	1.0 %	1.6 %	2.2 %	2.5 %
Molecular weight* [mio. Daltons]	1.6	1.6	1.7	2.2
Viscosity* [mPas]	25 000	50 000	300 000	500 000
Osmolality [mOsm/kg]	270 - 400	270 - 400	270 - 400	270 - 400
Storage	2° - 25° C	2° - 25° C	2° - 25° C	2° - 25° C
pH	6.8 - 7.4	6.8 - 7.4	6.8 - 7.4	6.8 - 7.4
Volume [ml]	1.0 and 2.0	1.0 and 2.0	2.0	4.8
Shelf life [months]	42	42	42	42
* mean value after steam sterilization				
COMPOSITION [1 ml] KD intra-articular gel®	1.0 %	1.6 %	2.2 %	2.5 %
Sodium hyaluronate	10.000 mg	16.000 mg	22.000 mg	25.000 mg
Sodium chloride	8.500 mg	8.500 mg	8.500 mg	6.500 mg
Disodium hydrogen phosphate 2 H <sub>2</sub> O	0.563 mg	0.563 mg	0.563 mg	0.563 mg
Sodium dihydrogen phosphate 2 H <sub>2</sub> O	0.045 mg	0.045 mg	0.045 mg	0.045 mg
Water for injection	q.s.	q.s.	q.s.	q.s.



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If the synovial fluid is not produced anymore naturally in a sufficient way, **KD intra-articular gel®** replaces it as a viscoelastic sterilized solution based on biofermented sodium hyaluronate.

**KD intra-articular gel®** is an optimal treatment for pain in patients with osteoarthritis. The gel generates increasing effectiveness of fluid within the joint in order to act as lubricant and shock absorber that reduces pain and improves mobility. Benefits can last from several weeks to a few months (depending on joint morphology).

**KD intra-articular gel®** is produced with different volumes and sodium hyaluronate concentrations to cover different requirements.

Morphology and dimensions vary between patients as well as between joints. Different options guarantee that the treatment is adapted to such morphological characteristics, reducing pain and discomfort and ensuring a time interval until the next treatment.

- Volumes of 1.0 ml to 4.8 ml and concentrations of 1.0 % to 2.5 % are adapted to patient joint morphology.
- Ultra One allows to make only one injection instead of several.
- Gel effects in the synovial joint last from several weeks to a few months.
- Shock absorbing
- Easy to use
- Sterile (by steam)
- Easy to inject
- CE marked

