

# INNORRYOS

Sodium Hyaluronate plus Niacinamide

*THE FIRST **VISCO-BOOSTER**  
FOR OSTEOARTHRITIS PATIENTS*

Concentration	2.2 % Hyaluronic acid + 1.5 % Niacinamide
Molecular weight	1.2–2.2 MDa
Viscosity (mPas)	370 000
Volume	2.0 ml
Forms of therapy	1 to 5 injections
Storage	2–25 °C
Shelf life	42 months

by **ALBOMED**

# INNORYOS

**ALBOMED developed INNORYOS, a premium product to maximize the treatment of osteoarthritis.**

The combination of hyaluronic acid and niacinamide provides a dual effect for outstanding outcomes. This innovative formulation offers unique antioxidant properties with reinforced resistance to free radical degradation compared to linear and cross linked hyaluronic acid.

It has been proven that niacinamide stimulates extra cellular matrix to provide a better cartilage protection. Thanks to a high quality hyaluronic acid and niacinamide, the relief of osteoarthritis patients is optimized in terms of pain relief and mobility recovery.

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## DUAL EFFECT

### HYALURONIC ACID

Optimal lubrication  
Shock absorbing<sup>1</sup>  
Restores viscoelastic  
properties of  
healthy joint fluid



### NIACINAMIDE

Antioxidative effect<sup>2</sup>  
Limits inflammation<sup>3</sup>  
Stimulates synthesis  
of extracellular matrix<sup>4</sup>

**VISCO-BOOSTER – THE FIRST INTRA-ARTICULAR INJECTION MADE OF HYALURONIC ACID AND NIACINAMIDE**

#### References:

- 1 Hummer, C.D., Angst, F., Ngai, W. et al. High molecular weight Intraarticular hyaluronic acid for the treatment of knee osteoarthritis: a network meta-analysis. *BMC Musculoskelet Disord* 21, 702 (2020). <https://doi.org/10.1186/s12891-020-03729-w>
- 2 Ogata S, Takeuchi M, Teradaira S, Yamamoto N, Iwata K, Okumura K, Taguchi H. Radical scavenging activities of niacin related compounds. *Biosci Biotechnol Biochem*. 2002 Mar;66(3):641-5. doi: 10.1271/bbb.66.641. PMID: 12005062
- 3 Jonas WB, Rapoza CP, Blair WF. The effect of niacinamide on osteoarthritis: a pilot study. *Inflamm Res*. 1996 Jul; 45(7):330-4. doi: 10.1007/BF02252945. PMID: 8841834
- 4 Atlantic Bone Screen, assigned by ALBOMED GmbH. In-vitro evaluation of the anti-hypertrophic effect of 1 product on rat chondrocytes. 2019