

—PRomovia—  
HYDRO BALANCE

# WHAT IS IT?

**PROmovia Hydro Balance** is a substitute for synovial fluid which thanks to its lubricating properties, promotes the restoration of altered joints due to degeneration or trauma.



The product exerts a protective action and improves joint function, thus reducing pain.

**PROmovia Hydro Balance** consists of a sterile injectable gel, biodegradable and isotonic, for intra-articular use. It is composed of a mixture of medium molecular weight hyaluronic acid (1200 - 1500 KDalton) and a low molecular weight (200 - 400 KDalton).

The acid is produced by **Streptococcus equi bacteria**, formulated at a concentration of 25mg/ml in a physiological buffer.

# joint

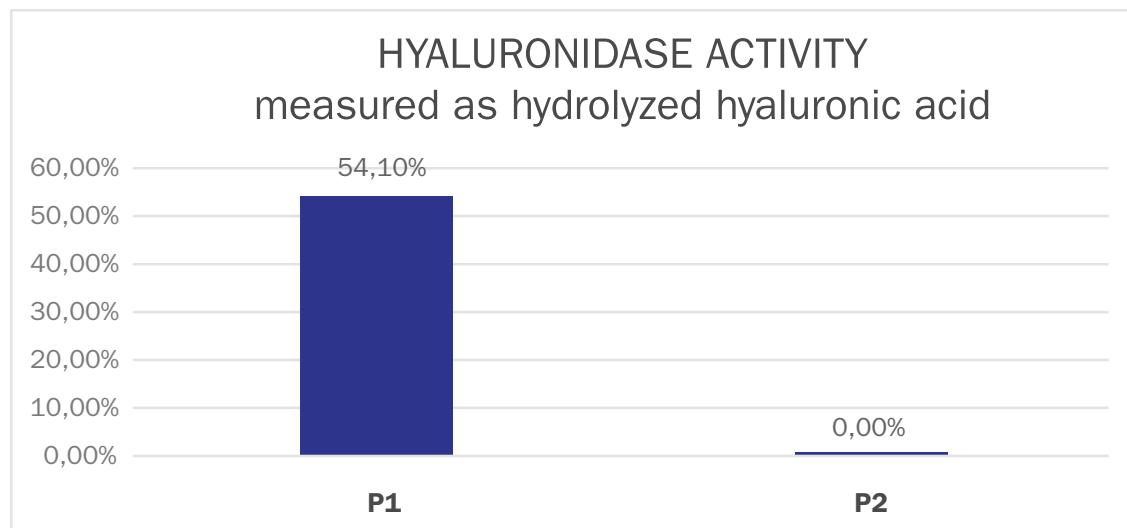
# EFFECTIVENESS

The particular composition of Promovia HydroBalance, which is the mixture of two hyaluronic acids with different molecular weights and the presence of trehalose, has been the subject of an efficacy study on the susceptibility of the product to the hyaluronidase.

Two products were evaluated, P1, ie a mixture of 2 hyaluronic acids, one of medium molecular weight (1200-1500 KDalton) and another of low molecular weight (200-400 KDalton) in the proportion 80:20 and Promovia HydroBalance called P2, ie the same mixture of 2 hyaluronic acids, one with medium weight molecular (1200-1500 KDalton) and another low molecular weight (200-400 KDalton) in the same 80:20 proportion plus 1% Trehalose.

The two products were subjected to the action of hyaluronidase and the enzymatic activity was evaluated using the spectrophotometer, based on the ability of the acid to produce turbidity in the presence of a standard albumin solution. The experimental protocol has taken into consideration the variation of the hyaluronic acid content during a specific time, quantifying it in the hydrolyzed form and therefore "destroyed" form.

The in vitro tests reported the following results:



**P1**

2.5% hyaluronate sodium gel:  
80% MW (1200- 1500 Kda) and  
20% LW (200-400 KDa) of the  
total

**P2**

2.5% hyaluronate sodium gel:  
80% MW (1200- 1500 Kda)  
and 20% LW (200-400 KDa) of  
the total with 1% of Trehalose  
(protector)

Clinical tests show that Promovia Hydro Balance has proven effective in reducing pain after the first administration. After the three expected infiltrations, both flexor and extensor movements are significantly easier, and the benefit lasts over time.

# COMPOSITION



Each pack contains a vial of Promovia syringe and a leaflet.

There are two labels showing the batch number and the expiry date: one of these labels must be applied to the patient's medical record, the other must be delivered to the patient to ensure traceability. The package does not contain needles.

**COMPOSITION:** Sodium hyaluronate (25mg/ml), trehalose, sodium chloride, sodium dihydrogen phosphate dihydrate, sodium phosphate dibasic dodecahydrate, water p.p.i.

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