

Aptar Pharma's Preservative-Free Multidose Dispenser Approved in the US for Allergan's REFRESH® RELIEVA™ PF Artificial Tear Formulation

Crystal Lake, Illinois, November 22, 2019

Aptar Pharma, a leading drug delivery systems provider, is pleased to announce that its innovative, preservative-free multidose Ophthalmic Squeeze Dispenser is the delivery system for Allergan's REFRESH® RELIEVA™ PF, its new over-the-counter (OTC) preservative-free treatment for eye dryness in the U.S.

This use reconfirms the market-leading position of Aptar Pharma's Ophthalmic Squeeze Dispenser as the multidose delivery system for ophthalmic agents and formulations without preservatives for prescription and OTC products.

Launched along with REFRESH® RELIEVA™ PF are REFRESH® RELIEVA™ and REFRESH® RELIEVA™ FOR CONTACTS. This new line of artificial tear formulations from Allergan is specifically developed to relieve discomfort due to eye dryness and to prevent further irritation. REFRESH®, a doctor recommended brand for artificial tears, further expands its portfolio by offering the only family of products in the U.S. with carboxymethylcellulose (CMC), hyaluronic acid (HA, an inactive ingredient), glycerin, and Allergan's HydroCell™ technology. This formulation enables hydration and maintains the volume of cells on the ocular surface.



Photo: Courtesy of Allergan

Allergan is a leader in eye care, with 70 years of experience and over 125 eye care products launched, among those some of the most innovative products in the industry. Aptar Pharma has been partnering with Allergan across numerous preservative-free product launches.

Chemical preservatives are often used in eye drops to ensure sterility of the drops in multidose bottles. When used in short-term treatments, they are mostly well-tolerated. For long-term use, such as in chronic conditions that include dry eye, preservative-free products are preferred. Preservatives have been known to cause signs and symptoms of irritation, allergy and ocular surface toxicity.

“Our Ophthalmic Squeeze Dispenser technology has been launched with close to 250 preservative-free eye care products worldwide. Its proven unrivalled microbiological safety combined with a diverse technological platform enables our customers to introduce their formulations to market in the purest form and offering outstanding convenience, meeting the needs of consumers and patients,” explained Matthias Birkhoff, VP Business Development, Aptar Pharma. “By offering the first and only FDA-reviewed technology for multidose preservative-free systems, our customers can rely on Aptar Pharma’s comprehensive service package to support their development of eye care products without preservatives.”

About Aptar Pharma

Aptar Pharma is part of AptarGroup, Inc., a leading global supplier of a broad range of innovative dispensing, sealing and active packaging solutions for the beauty, personal care, home care, prescription drug, consumer health care, injectables, food and beverage markets. Aptar uses insights, design, engineering and science to create innovative packaging technologies that build brand value for its customers, and, in turn, make a meaningful difference in the lives, looks, health and homes of people around the world. Aptar is headquartered in Crystal Lake, Illinois and has over 14,000 dedicated employees in 18 different countries. For more information, visit www.aptar.com/pharma.

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