

Mystic Pharmaceuticals Introduces ArrowFish™ Nasal Vaccine and Drug Delivery System

Mystic patient-centric delivery systems are designed for rapid manufacturing to facilitate rapid deployment of drugs and vaccines to global populations

AUSTIN, TX – 29 October 2014 – [Mystic Pharmaceuticals, Inc.](http://www.mysticpharmaceuticals.com) today announced the availability of its Arrowfish™ nasal drug and biologic delivery system. This new generation delivery system utilizes Mystic's patented VersiDoser® and VRx2™ packaging and delivery platform technology. ArrowFish delivery systems provide non-invasive systemic delivery of drugs, peptides, proteins and vaccines through the nose. This route of administration avoids first pass metabolism, provides rapid systemic uptake into the body and can be either caregiver administered or self-administered by the patient.

ArrowFish™ Nasal Delivery System



“The development phase of the ArrowFish delivery system was accelerated from years to months demonstrating the power of our engineered platform approach,” said Mystic CEO Timothy Sullivan. ArrowFish applications include the delivery of vaccines for infectious diseases such as flu, Ebola and therapeutics for pain, migraine, seizure, sedation, emesis, hormones and diabetes.

Mystic's latest line of advanced nasal delivery devices is offered in a variety of mono-dose and multi-dose configurations. Based on the company's novel VersiDoser® and VRx2™ packaging technology, ArrowFish dispensers provide precise dose delivery for liquid, powder and reconstituted powder medications. All ArrowFish dispensers incorporate patient-centric ergonomic design features such as side actuation, no priming and contoured surfaces to facilitate ease of use, comfort and safety for the patient.

Mystic employs a product integration process to optimize the final configuration of the ArrowFish delivery device to the pharma manufacturer's Target Product Profile and technical specifications. Mystic's approach eliminates the compromises that often arise with using conventional, off-the-shelf pharmaceutical packaging and delivery systems. Mystic will produce ArrowFish nasal dispensers at



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its Austin, Texas manufacturing facility and internationally through its strategic manufacturing partners. For more information please visit <http://www.mysticpharmaceuticals.com>

About Mystic Pharmaceuticals, Inc.

Mystic Pharmaceuticals® is an integrated specialty pharmaceutical manufacturer based in Austin, Texas. Mystic provides precision unit dose delivery solutions for pharmaceuticals, biopharmaceuticals and biologics for intranasal, nose-to-brain, ophthalmic, sublingual, and otic applications. Mystic combines its novel delivery systems with pharmaceuticals and biologics under development by Mystic and its partners, to meet the expanding global market demand for healthcare products that are safer, simpler to use and cost effective. For more information please visit the Mystic website at: <http://www.mysticpharmaceuticals.com>