



PRESERVATIVE FREE MULTIDOSE DELIVERY SYSTEM

Opportunity

CIS Pharma has developed preservative-free products in the fields of ophthalmology, ENT, dermatology and cosmetics, based on Naturaceutical Delivery Corporation's delivery technology. With our joint expertise in drug delivery and chemistry we develop and manufacture products to extend the life-cycle of generic compounds.

Technology

Naturaceutical Delivery Corporation (NDC), based in New York City, is a drug delivery system company with patented and proprietary platform technologies for the pharmaceutical, nutraceutical and cosmetic markets.

NDC delivery systems are comprised of patented high-barrier "constantly-sealing" one-way valves hermetically attached to enclosed flexible reducing reservoirs. The delivery system can be incorporated within an array of alternative package configurations, in virtually any packaging design and can be tailored to specific market applications.

During use over weeks, months and years, the residual product in NDC's delivery systems will remain sterile and pure as before its first use without the need for preservatives or refrigeration.

NDC's delivery technology allows for the delivery of liquids, creams, lotions and gels while preventing oxygen, bacteria and airborne contaminants from entering the delivery system and contaminating remaining product in the dispenser.

NDC only uses FDA Class 6 approved materials for all intended applications

NDC delivery technology is currently protected by 8 issued U.S. patents, 4 pending U.S. patent applications, 26 issued foreign patents and 50 pending foreign patent applications. These patents cover broad concepts as well as specific applications worldwide. Further new patent applications are being developed and filed continuously.



NDC's high barrier delivery systems

Development Partnerships

NDC has partnered with Aztec Tool Company, Inc. (NJ) to develop the one-way valve. Aztec is a manufacturer of precision devices used for pharmaceutical delivery systems and provides state of the art moulding to the cosmetic and medical packaging industries since 1977.

The manufacturing strategy for the delivery was implemented in a partnership with FactorsNY. FactorsNY also provides product design at an early stage through to final product evaluation as well as mould construction.

Product testing is done at independent laboratories such as New York Medical College.

Through these partnerships NDC continuously evolves and monitors the product development of its strategic partners and customers.

CIS Pharma

CIS Pharma is a pharmaceutical research company specialised in drug delivery. It is located in Bubendorf, Switzerland, near Basel. The key business of CIS Pharma is to discover novel active pharmaceutical ingredients and drug delivery systems in the fields of ophthalmology and dermatology. For over 50 years, CIS Pharma has been patenting and licensing innovative technologies to a wide range of life sciences companies.

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