

How to Choose an Aerosol Delivery System for your Drug Product

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Abstract

The goal of aerosol therapy is to deliver an efficacious dose of drug to the lungs as quickly and conveniently as possible. The three main categories of aerosol delivery systems are pMDIs, DPis, and nebulizers. Each type has its own advantages and limitations. Criteria for choosing a system for your product include the efficacious dose needed, chemical parameters of the drug such as stability, patient demographics, regulatory and quality requirements, and reimbursement. Pugh Concept Selection is a standard process that is part of a 6-sigma development approach that is a useful tool to help with the selection. An example of selecting a delivery system for a COPD product is given.