Greystone Research Associates is pleased to announce the publication of a new market assessment. **Dry Powder Inhalers: Products, Therapeutics, Markets, Players and Forecasts** is a comprehensive evaluation and analysis of the technology, products and participants providing the driving force behind this evolving segment of the healthcare sector. The study is designed to provide drug company decision makers, drug delivery developers, device designers, healthcare marketers, and supply chain participants with a detailed understanding of the economics, technologies, disease segments, and commercial opportunities for inhalable drugs formulated as insipirable powders and supplied in DPI devices. Provider organization business managers, healthcare administrators and investors will also benefit from this study.

**Converging Factors Driving the Growth of Dry Powder Inhaled Delivery**

The rising potential of dry powder inhalation is being driven by research activity in powder formulations, advances in particle engineering, and the development of novel device architectures. The combination of improved particle properties and more efficient inhaler designs is creating new opportunities for dry powder inhalation and expanding the range of active compounds that can be effectively delivered to the lung via DPI. As aging population demographics and managed care initiatives drive growth in home health care and self-administration of drug therapies, inhaled medicine is increasingly being viewed as patient-friendly and cost-effective. Our analysis demonstrates that inhaled administration in general, and DPI in particular, are well positioned to take advantage of these trends and evolve into a significant factor in the future of pharmaceutical development and the commercialization of therapeutic drugs.
Executive Summary

Inhaled Drug Therapeutics

Devices and Formulations
Market Segments and Indications
Competing Technologies
Established Therapeutic Targets
Demographics and Growth
Market Drivers
Risk Factors

Dry Powder Technology & Markets

Dry Powder Formulations
Particle Technology/Engineering
Dry Powder Processing
Dry Powder Packaging
DPI Product Segments
DPI Inhaler Design Categories
Reservoir Devices
Discrete Dose Devices
Proprietary Technology Devices
DPI Device Availability
Customer-specific DPI Devices
Multi-client DPI Devices
Development-stage Devices

DPI Product Assessment & Analysis

FDA Approved DPI Products
Mono-drug Products
Aclidinium
Albuterol
Budesonide
Fluticasone
Formoterol
Glycopyrronium
Indacaterol
Insulin
Loxapine
Mometasone
Salmeterol
Tiotropium
Tobramycin
Umeclidinium
Zanamivir

Mono-drug DPI Products (Cont’d)
Dual Drug Products
Fluticasone+Salmeterol
Fluticasone+Vilanterol
Glycopyrronium+Indacaterol
Umeclidinium+Vianterol

EMA Approved DPI Products
Mono-drug Products
Aclidinium
Glycopyrronium
Indacaterol
Umeclidinium

Dual Drug Products
Aclidinium+Formoterol
Budesonide+Formoterol
Fluticasone+Salmeterol
Fluticasone+Vilanterol
Glycopyrronium+Indacaterol
Umeclidinium+Vianterol

Therapeutic Segment Analysis, Data & Forecasts

Upper Respiratory
Asthma
COPD
Bronchospasm
Systemic Indications
Hereditary Disease
Infectious Diseases
Metabolic Conditions
Neurology
Other Systemic Markets

Market Factors

Regulatory Issues
Device Branding
Patient Compliance and Ease of Use
Healthcare Economics

Company Profiles
What You Will Learn

• What inhalable drugs are supplied in powder form, how are they marketed, what are the device specifics, and who markets them?
• What inhalable dry powder drugs are in late stage development, who are the developers, and what indications are they targeting?
• What are the major factors driving inhaled dry powder drug/device demand?
• What is the size of the market today, who are the market share leaders, and what will the market share be in 2024?
• How important are drug developer-device manufacturer relationships and what are the key alliances in the industry?
• What are the essential design factors, technologies and market development issues for dry powder inhalation products?
• What are the significant economic, technology, and regulatory factors affecting the market for dry powder inhalers?

Report Format and Availability

This report is available electronic format. A site license for a single physical location and a corporate license are also available. Custom licensing options to address specific company user requirements are available by calling client services at 603-595-4340, or by emailing clientservices@greystoneassociates.org.

Methodology

Research methodology is based on primary research in the form of in-depth interviews with key market participants, technology developers, distributors, industry experts, and market influencers, a list that includes regulatory officials, industry trade groups, and materials standards organizations.

Primary data is evaluated and normalized against secondary sources including trade journal articles, technical literature, industry publications, company data sheets and published information, and statistical data from government agencies and trade associations.

Forecasts and projections of market demand and future market activity are derived using standard modeling and statistical techniques.

About Greystone Associates

Greystone Associates is a medical technology consulting firm focused on the areas of medical market strategy, product commercialization, venture development, and market research. We assist medical and healthcare market participants in achieving their business objectives through the creation of detailed development strategies, product commercialization programs, and comprehensive market and technology research and analysis.

Our market research publications are designed, researched and written to provide timely and insightful information and data on focused market segments, with the aim of providing market participants with the essential knowledge to refine and execute their marketing plans and financial targets.
Ordering Information

Orders may be placed via postal mail, e-mail or fax. Orders not accompanied by a purchase order must contain a telephone number for verification, and clearly indicate the physical shipping address and billing address.

Payment

We accept the following forms of payment:

- **Company Check**: Please make checks payable to ‘Greystone Associates’
- **Credit Cards**: We accept MasterCard, Visa and American Express
- **Wire Transfers**: See ‘Wire Transfers’ below for more information

Orders Outside the U.S.

Orders must be prepaid via credit card, company check in US funds and drawn on a US bank, or wire transfer.

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Dry Powder Inhalers

Products, Therapeutics, Markets, Players & Forecasts

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