

Drug Reconstitution at the Point-of-Care

Therapeutic Markets, Technology,
Strategies and Prospects

Report Prospectus



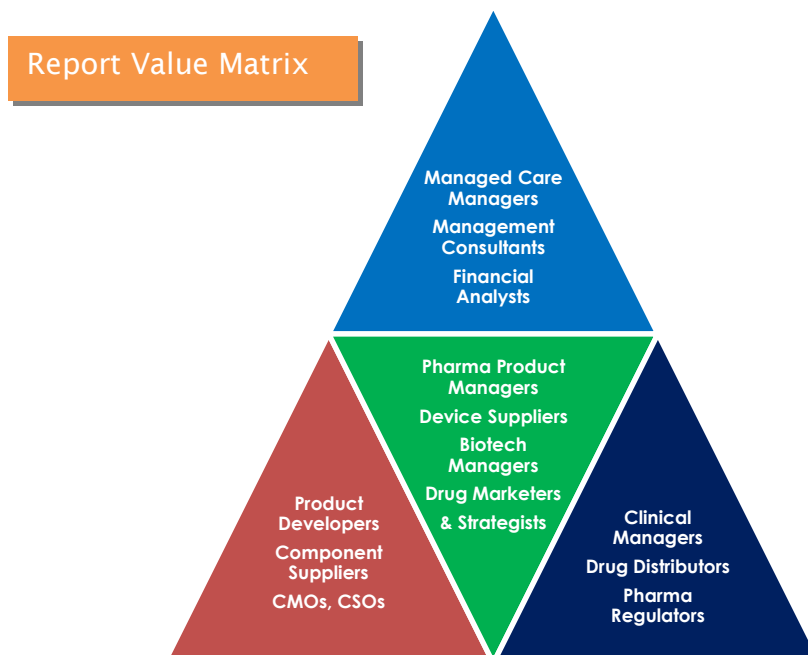
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Greystone Research Associates is pleased to announce the publication of a new market study. Point-of-Delivery Reconstitution Systems: Therapeutic Markets, Technology, Strategies and Prospects is a comprehensive evaluation and analysis of the technology, devices and participants behind the innovative approaches that address the growing need for packaging and delivering lyophilized drugs for injection.

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 reconstituting lyophilized drugs at the point of use. Provider organization business managers, healthcare administrators and investors will also benefit from this study.

Innovative Devices and the Growth of Reconstituted Drugs

The inherent instability of biological drugs is a limitation that has a direct impact on the drug delivery sector. Therapeutic proteins must either be stored under special conditions or formulated to retain their efficacy from the time of manufacture until they are dispensed. Liquid protein drugs require refrigeration until dispensed – a distribution strategy referred to as the ‘Cold Chain’. Alternatively, proteins can be formulated as powders (lyophilization). Lyophilized proteins must be reconstituted prior to injection. Lyophilized drugs are sold with reconstitution vial systems, or packaged in special injection devices (e.g., pens, needle-free injectors, two-part syringes) that allow reconstitution to take place in the device prior to injection. As biological drugs continue to grow in terms of therapeutics and total prescriptions, the impact of specialty devices will increase.



Executive Summary	Disposable Drug Cartridges
Market Dynamics	Single vs Multi-Dose Devices
Prolonging the Shelf Life of Biological Drugs	Human
Distribution Strategies	Engineering/Ergonomics
Formulation Strategies	Drug Reconstitution -
Lyophilization and Reconstitution at the Point of Use	Therapeutic Sector Analysis
Healthcare Economics and Reconstitution Systems	Antibiotics/Antivirals
What's Driving the Growth in Engineered Reconstitution Systems?	Antibodies
Biological Drugs Proliferating The Trend toward Self-Administration	Autoimmune Diseases
Shifting Demographics	Arthritis
Innovation in Disposable Device Designs	Crohn's Disease
Therapeutic Demand Drivers	Lupus
Competitive Landscape	Multiple Sclerosis
Risk Factors	Psoriasis
Drug Reconstitution Systems – Commercial Devices	Blood Proteins
Vial Adapters	Hepatitis
Vial-to-Vial Systems	Hemostats
Needle-less Transfer Devices	Hormone Replacement
Direct Connect to Vial	Human Growth Hormone
Direct Connect to Cartridge	Oncology
Dual Chamber Syringes	Osteoporosis
Dual Chamber Cartridges	Reproductive Medicine
Closed Drug Transfer	Vaccines
Reconstitution System Design Factors	Market Sector Drivers
Stability and Material Selection Issues	Competitive Climate
	Osteoporosis Therapies
	Supplied as Lyophilized Drugs
	Reproductive Health
	Reproductive Therapies
	Supplied as Lyophilized Drugs
	Market Factors
	Syringe Disposal
	Regulatory Issues
	Patient Compliance
	Healthcare Economics
	Drug Reconstitution Systems -
	Company Profiles

Feature Summary

- Provides detailed analysis of injectable lyophilized drugs and assess key market segments, market dynamics and market demographics
- Analyzes therapeutic demand drivers and evaluates the market impact and potential of commercial reconstitution systems
- Analyzes design factors, material selection issues, technologies and market development issues
- Charts data, market share, and forecasts to 2016
- Profiles reconstitution system suppliers, their product activities, business strategies, and corporate alliances and affiliations
- Assesses the importance of pharma-device alliances and design partnerships
- Evaluates the impact of economic, technology, and regulatory factors

Report Format and Availability

This report is available in electronic format. A site license for a single physical location and an Enterprise license are also available.

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 Research Associates

Greystone Research 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.

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