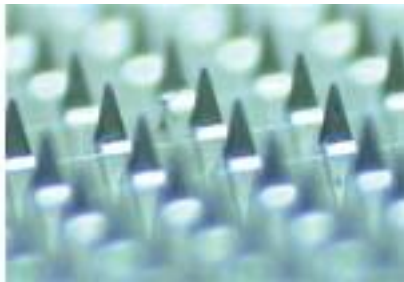


# Microneedles in Medicine

Technology, Devices, Markets and Prospects



# Microneedles in Medicine: Technology, Devices, Markets and Prospects

Greystone Associates is pleased to announce the publication of a new market study. **Microneedles in Medicine: Technology, Devices, Markets and Prospects** is a comprehensive evaluation and analysis of the technology, products and participants providing the driving force behind this evolving segment of the healthcare sector.

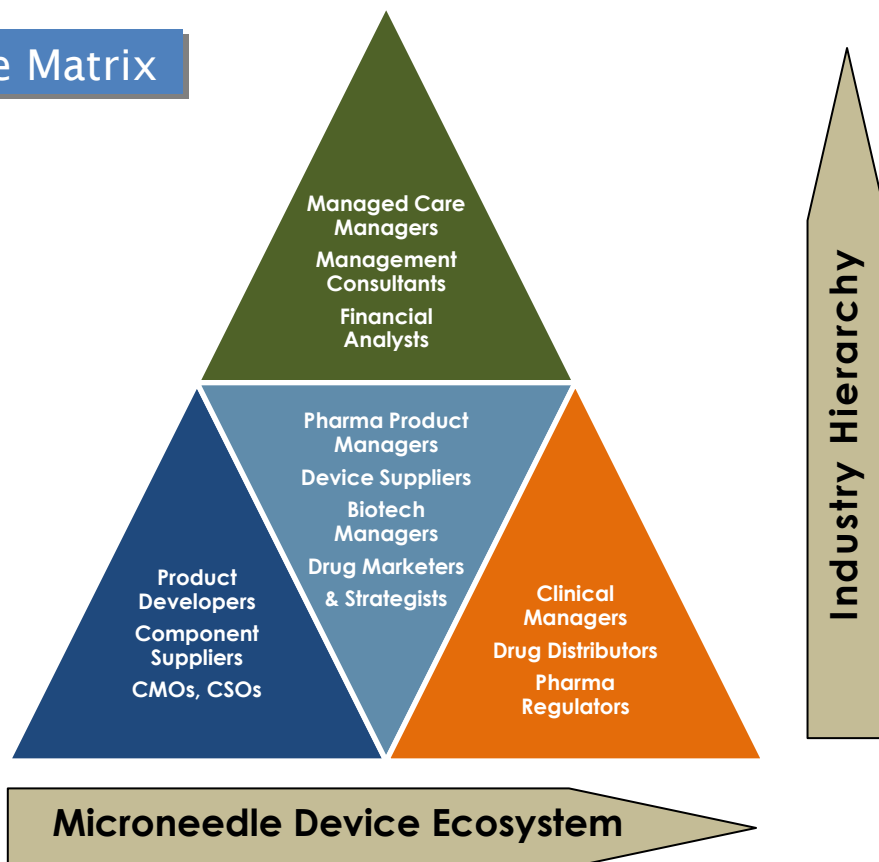
The study is designed to provide drug company decision makers, drug delivery developers, device designers, healthcare marketers, and supply chain participants with a detailed understanding of the economics, technologies, applications, and commercial opportunities for microneedles and microneedle arrays. Provider organization business managers, healthcare administrators and investors will also benefit from this study.

## Microneedle Technology and Minimally Invasive Medicine

Advances in the processing of materials on a micro-scale have led to the development and introduction of devices that employ very small needles – microneedles – that have significant potential in devices for diagnostics, healthcare monitoring and drug delivery by mechanically perforating the outer skin layer and allowing for transdermal drug absorption or fluid sampling. These processing techniques incorporate one or more technologies that enable the precise machining, extrusion, casting, and/or forming of from one to an array or grid of microneedles.

Several factors - include an aging patient population, biological drug therapies for chronic conditions, and an emphasis on patient self-monitoring and self-care – are driving an evolution in the way that healthcare is delivered. Evolving microneedle systems will be well-positioned to address a significant segment of the large – molecule biological drugs expected to emerge from the convergence of automated discovery and genome mapping. Before microneedles find widespread use, researchers must perfect the techniques for optimally inserting them into the skin, and complete the integration of microneedles into a full diagnostic, monitoring or drug delivery system.

### Report Value Matrix



# Table of Contents

## **Executive Summary**

### **Microneedle Medical Market Overview**

- The Trend to Minimally Invasive Medicine
- Drug Delivery & Self-Administration
- Continuous & Remote Monitoring
- Shifting Patient Demographics
- Managed Care Initiatives
- Commercial Microneedle Devices
- Competitive Landscape

### **Microneedle Design & Technology**

- Solid Microneedles
- Hollow Microneedles
- Coated Microneedles
- Microneedle Arrays & Array Geometries
- Microneedle Manufacturing
- Material Selection Issues
- Fabrication Techniques
- Emerging Fabrication Methods

### **Applications for Microneedle Technology**

- Biosensing
- Sampling
- Drug Delivery
- Tissue Enhancement

### **Microneedle Technology Transfer Factors**

- Europe
- Japan
- North America
- Selected Research Programs

### **Microneedle Market Drivers**

- Drug Discovery Trends
- Continuous Monitoring
- Large-Molecule Biologics
- Remote Patient Care
- Drug Delivery Compliance
- Patient/Consumer Sentiment

### **Commercial Therapeutic Opportunities**

- Antivirals
- Cancer Therapeutics
- Dermatology/Cosmetic Surgery
- Diabetes
- Diagnostics
- Fertility
- Genetic Engineering
- Pain Management
- Osteoporosis
- Therapeutic Proteins/Peptides
- Vaccines

### **Market Factors**

- Regulatory Issues
- Rx-to-OTC Switching – the Generics Factor
- Patents and IP
- Alliances and Partnerships

### **Microneedle Sector Company Profiles**

## Feature Summary

- Analyzes and evaluates microneedle technology and product research and development, and assesses the medical market potential for existing and probable future products
- Analyzes proprietary technologies and market development issues
- Provides detailed descriptions of medical microneedle business opportunities, market demographics, and business strategies
- Charts product sales data, market share, and forecasts to 2013
- Profiles microneedle medical product and technology participants, their activities, business strategies, and corporate alliances and affiliations
- Assesses the importance of licensing, alliances and partnerships on the success of medical applications for microneedles
- Evaluates the impact of economic, technology, and regulatory factors on the commercial potential of microneedle systems

## Report Format and Availability

This report is available 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 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.

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