

Needle-Free Drug Injection Systems and Safety Syringes: Market Research Report

https://marketpublishers.com/r/N1602849B1AEN.html

Date: June 2012 Pages: 504 Price: US\$ 4,600.00 (Single User License) ID: N1602849B1AEN

Abstracts

This report analyzes the worldwide markets for Needle-Free Drug Injection Systems and Safety Syringes in US\$ Million.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, and Rest of World.

Annual estimates and forecasts are provided for the period 2010 through 2018.

A six-year historic analysis is also provided for these markets.

The report profiles 93 companies including many key and niche players such as First Principals, Inc., Cambridge Consultants Ltd., Antares Pharma, Inc., Bard Biopsy Systems, Baxter International, Inc., Baxter BioPharma Solutions, Bector, Dickinson, BD Medical, Bioject Medical Technologies, Inc., Covidien Plc, Crossject Ltd., D'Antonio Consultants International, Inc., Glide Pharmaceutical Technologies Ltd., Incline Therapeutics, Inc., INJEX Pharma GmbH, Medical International Technologies (Mit Canada), Inc., National Medical Products, Inc., PenJet Corporation, PowderJect Pharmaceuticals Plc, Retractable Technologies, Inc., Safety Syringes, Inc., Smiths Group, Smiths Medical, Terumo Corporation, Unilife Medical Solutions Ltd., Valeritas, Ypsomed Holding AG, and Zogenix, Inc.

Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based upon search engine sources in the public domain.



Contents

I.INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

Study Reliability and Reporting Limitations Disclaimers Data Interpretation & Reporting Level Quantitative Techniques & Analytics Product Definitions and Scope of Study Safety Syringes Needle-Free Injections

II. EXECUTIVE SUMMARY

1.INDUSTRY OVERVIEW

A Prelude Market Overview **Current and Future Analysis** Needlestick Injuries – A Menace in Healthcare Environment **Evolving Drug Delivery Systems** Factors Determining User Choice in Safety Syringes Factors Enabling Espousal of Safety and Pre-filled Injections Major Advantages of Needle-Free Injection Systems Legislations – The Base for Technology Improvements and Demand Ongoing Research to Further Advance Delivery Systems, Fuel Market Growth Future Market to Offer Multiple Drug Delivery Alternatives Needle-Free Injection Systems Market Demand for Needle-Free Systems Gathers Pace Trends toward Needle-Free Injections Extending Patent Life through Differentiation from Competitive Generics Safety and Efficacy – Amongst the Prime Motivating Factors Patient Involvement Needle-Free Future Unlikely Regulations – A Shot on the Arm for Needle-free Market Safety Syringes Market Demand for Pre-filled Safety Syringes North-Bound Pre-filled Syringes – Benefiting All Stakeholders Markets Crave for Further Advancements in Safety Syringes



Insulin Delivery – A Burgeoning Market for Novel Delivery Systems Competitive Landscape

Table 1. Leading Suppliers of Safety Syringes Worldwide (2011E): PercentageBreakdown of Sales for Becton, Dickinson and Company, Covidien, Terumo,Retractable and Others (includes corresponding Graph/Chart)

Other Key Statistics

Table 2. Leading Pharmaceutical Companies in the Pre-Filled Vaccine Syringes Market(2011): Percentage Breakdown of Revenues for GSK, Sanofi, Novartis and Others(includes corresponding Graph/Chart)

Table 3. Leading Pharmaceutical Companies in the Pre-Filled Hematology SyringesMarket (2011): Percentage Breakdown of Revenues for Roche, Amgen and Others(includes corresponding Graph/Chart)

Table 4. Leading Pharmaceutical Companies in the Pre-Filled Anti-Coagulant SyringesMarket (2011): Percentage Breakdown of Revenues for Sanofi, GSK and Others(includes corresponding Graph/Chart)

Ready-to-Fill Segment Goes Strong

Table 5. Global Ready-to-Fill Syringe Consumption: 2007-2011 (In Billion Units)(includes corresponding Graph/Chart)

Table 6. Leading Pharmaceutical Companies by Pre-filled Syringe Consumption (2011): Percentage Breakdown of Value Consumption for Sanofi, GSK, Novartis, Pfizer, Roche and Others (includes corresponding Graph/Chart)

Table 7. World Sales of Drugs in Pre-filled Syringes by Therapeutic Class (2011): Percentage Breakdown of Revenues for Vaccines, Hematology, Multiple Sclerosis, Antiinflammatory, Anticoagulants and Others (includes corresponding Graph/Chart)

2.PRODUCT OVERVIEW



Introduction

- Historical Background
- Mechanism
- Safety Syringe
- **Pre-Filled Syringe**
- Oral Vaccines
- Nasal Sprays, Suppositories and Eye and Nose Drops
- Inhalers
- Transdermal
- Injected Fine Mist or Powder
- Jet Injectors
- Iontophoretic Transdermal
- Patches
- Implants
- Microneedles
- Material Used for Production
- Designing of Needle-free Injection Systems
- The Production Process
- Manufacturing the Pieces
- Assembling and Labeling
- Packaging
- **Quality Control**
- Safe Medical Devices
- Auto-Injectors and Pen Injector
- Benefits for Human
- Greater Patient Acceptance and Compliance
- **Enhanced Safety**
- Improved Effectiveness
- Swift Injection Time
- Advantages of Using Needle-Free Injectors in Animals
- **Disease Transmission Reduction**
- Immunology Improvement
- Improvement in Beef Quality
- **Employee Safety**
- Needle-free Delivery of Liquids and Solids

3.PRODUCT INTRODUCTIONS

Revolutions Medical Launches New Improved Website



MedPro Safety Products Launches Pre-filled Safety Syringe MedPro Safety Products Launches Passive Hypodermic Safety Syringe Greiner Bio-One and MedPro Safety Products Launch PREMIUM Safety Needle System Tube-Touch MIT Introduces MED-JET® Products in the Russian Market Revolutions Medical Develops Pre-filled Auto Retractable Vacuum Safety Syringes ALK-Abello Unveils Jext – A New Adrenaline Auto-Injector Fred Meyer Stores Offers Bioject Medical Technologies' Biojector® 2000 Revolutions Medical Introduces New Automatic Retractable Safety Syringe Designs Revolutions Medical Unveils 3ml RevVac Safety Syringe SCHOTT Pharmaceutical Packaging Develops InJentle™ PharmaJet Develops Needle-Free Jet Injection Technology Smiths Medical Launches Medfusion® 4000 Syringe Infusion Pump Teva Pharmaceutical Industries Rolls Out New Tjet[™] Needle-Free Injector System Occupational and Medical Innovations Rolls Out Auto-Retractable Safety Syringe Pharmastandard to Launch Ypsomed's Ypsopen in Russia

4.RECENT INDUSTRY ACTIVITY

Insvet and AcuShot[™] Ink Distribution Agreement

Antares Pharma Receives US Patent for Vibex[™] Technology

Paketeria Acquires INJEX Pharma

Unilife Commences Sale of Unifill Ready-to-fill Syringes to Multinational Pharmaceutical Company

Zogenix and DURECT Sign Development and License Agreement

Clinigen Pharma and Zogenix Sign Collaborative Agreement

Bioject Medical Technologies to Supply Intradermal Pen

Revolutions Medical to Manufacture 5 million RevVac 1ml Fixed Needle Safety Syringe Every Month

Revolutions Medical Receives Clearance from the DLA for the RevVac Safety Syringe Revolutions Medical Files Provisional Patent Application for Vacuum Technology-based Pre-Filled Safety Syringes

Medical International Technology Gains Chinese SFDA Certification for MED-JET® Products

Revolutions Medical and CeifiT Ink Marketing and Distribution Agreement

Revolutions Medical and DS WorldMed Ink Marketing and Distribution Agreement Revolutions Medical and Wuxi Yushou Medical Appliance Ink Definitive Manufacturing Agreement

INJEX Pharma and Al Shamali Group Ink an Exclusive Distributor Contract



INJEX Pharma Inks Exclusive Sales and Marketing Agreement with GenTech Laboratories for INJEX Needle-Free Syringes

Unilife Bags Supply Contract for Unitract Safety Syringes from Premier Purchasing Partners

US FDA Grants Two 510(k) Marketing Clearances for PharmaJet's IM/SC Injection Technology

Zogenix Ends Co-Promotion Agreement with Astellas Pharma for the SUMAVEL DosePro

Kroger Include PharmaJet Needle-Free Injection Systems in Flu-Shot Campaign Valeritas' V-Go[™] Disposable Insulin Delivery Medical Device Obtains CE Mark Approval

Revolutions Medical Receives Patent for Marketing RevVac Safety Syringe in the Chinese Market

Zogenix and Desitin Obtain Marketing Approval for SUMAVEL DosePro

Smiths Medical to Establish Subsidiary in India

Unilife Commences Unifill Pre-filled Syringe Production

PharmaJet Secures FDA Clearance for Intradermal Needle-Free Injection Device

Cadence Enters into Agreement for Acquiring Incline Therapeutics

PharmaJet Signs Collaboration Agreement with USAMRIID

Revolution Medical and Santa Monica Pharmaceutica Enter into Strategic Partnership

Standard Chem and Pharm Enters into Distribution Agreement with Unilife

Bioject Medical Technologies and MPI Research Enter into Alliance

Revolutions Medical and MIG Sign Manufacturing Agreement

Protectus Medical Devices Inks Agreement with Moll

Unilife Starts Selling Unitract® 1ml Syringes

Inviragen and PharmaJet Obtain NIAID Contract for Developing Needle-Free Dengue Vaccine

Safety Syringes Selects Polycarbonate Resin of Bayer MaterialScience

Incline Therapeutics and ALZA Enter into Agreement

Desitin Pharmaceuticals and Zogenix Obtain Marketing Authorization for SUMAVEL®

DosePro[™] from Danish Medicines Agency

Antares Pharma Announces Advancements in Vibex[™] Auto-Injectors

TOLMAR Holding Acquires QLT USA

SquareOne Medical Completes Reverse Merger into E-18

West Pharmaceutical Services Takes Over Assets of Plastef Investissements

Revolutions Medical Obtains FDA Approval for Marketing Rev Vac Safety Syringe

Bioject Medical Technologies and Ferring Pharmaceuticals Extend Supply Agreement

Med-Pharmex and AcuShotTM Ink Exclusive Distribution Agreement

Revolutions Medical and Libra International Ink Distribution Agreement



Cardinal Health and OMI Ink Exclusive Distribution Agreement Astellas Pharma and Zogenix Ink Agreement to Co-Promote Sumavel DosePro Unilife and Sanofi Winthrop Industrie Ink Industrialization Agreement Bioject Medical Technologies Receives FDA 510(k) Clearance for ZetajetTM PharmaJet Collaborates with PATH Lipoxen and Glide Pharma Ink Agreement Ypsomed Holding and Gamma Medica Enter into Distribution Agreement Zogenix Receives FDA Approval for SUMAVEL® DoseProTM

5.FOCUS ON SELECT KEY PLAYERS

First Principals, Inc. (US) Cambridge Consultants Ltd. (UK) Antares Pharma, Inc. (US) Bard Biopsy Systems (US) Baxter International, Inc. (US) Baxter BioPharma Solutions (US) Bector, Dickinson (US) **BD** Medical Bioject Medical Technologies, Inc. (US) Covidien Plc (Ireland) Crossject Ltd. (France) D'Antonio Consultants International, Inc. (US) Glide Pharmaceutical Technologies Ltd. (UK) Incline Therapeutics, Inc. (US) INJEX Pharma GmbH (Germany) Medical International Technologies (Mit Canada), Inc. (Canada) National Medical Products, Inc. (US) PenJet Corporation PowderJect Pharmaceuticals Plc (UK) Retractable Technologies, Inc. (US) Safety Syringes, Inc. (US) Smiths Group (UK) Smiths Medical (US) Terumo Corporation (Japan) Unilife Medical Solutions Ltd. (US) Valeritas (US) Ypsomed Holding AG (Germany) Zogenix, Inc. (US)



6.GLOBAL MARKET PERSPECTIVE

Table 8. World Recent Past, Current and Future Analysis for Needle-Free Drug Injection Systems and Safety Syringes by Geographic Region – US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2018 (includes corresponding Graph/Chart)

Table 9. World Historic Review for Needle-Free Drug Injection Systems and Safety Syringes by Geographic Region – US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), and Rest of World Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2004 through 2009 (includes corresponding Graph/Chart)

Table 10. World 15-Year Perspective for Needle-Free Drug Injection Systems and Safety Syringes by Geographic Region – Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific (excluding Japan), and Rest of World Markets for Years 2004, 2011 and 2018 (includes corresponding Graph/Chart)

III. MARKET

1.THE UNITED STATES

A. Market Analysis
Current and Future Analysis
The Torch Bearers
Leading Players Operating in the Largest Individual Market
Product Launches
Strategic Corporate Developments
Select Key Players
B. Market Analytics

Table 11. US Recent Past, Current and Future Analysis for Needle-Free Drug InjectionSystems and Safety Syringes Independently Analyzed with Annual Sales Figures inUS\$ Million for Years 2010 through 2018 (includes corresponding Graph/Chart)

Table 12. US Historic Review for Needle-Free Drug Injection Systems and Safety



Syringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2004 through 2009 (includes corresponding Graph/Chart)

2.CANADA

A. Market Analysis
Current and Future Analysis
Product Launch
Medical International Technologies (Mit Canada), Inc. – A Leading Canadian Player
B. Market Analytics

Table 13. Canadian Recent Past, Current and Future Analysis for Needle-Free DrugInjection Systems and Safety Syringes Independently Analyzed with Annual SalesFigures in US\$ Million for Years 2010 through 2018 (includes correspondingGraph/Chart)

Table 14. Canadian Historic Review for Needle-Free Drug Injection Systems and SafetySyringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years2004 through 2009 (includes corresponding Graph/Chart)

3.JAPAN

A. Market Analysis
Current and Future Analysis
Terumo Corporation – A Leading Japanese Player
B. Market Analytics

Table 15. Japanese Recent Past, Current and Future Analysis for Needle-Free DrugInjection Systems and Safety Syringes Independently Analyzed with Annual SalesFigures in US\$ Million for Years 2010 through 2018 (includes correspondingGraph/Chart)

Table 16. Japanese Historic Review for Needle-Free Drug Injection Systems and SafetySyringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years2004 through 2009 (includes corresponding Graph/Chart)

4.EUROPE



A. Market AnalysisCurrent and Future AnalysisRegion-Wide Laws on Safety Syringes on the CardsB. Market Analytics

Table 17. European Recent Past, Current and Future Analysis for Needle-Free Drug Injection Systems and Safety Syringes by Geographic Region – France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2018 (includes corresponding Graph/Chart)

Table 18. European Historic Review for Needle-Free Drug Injection Systems and Safety Syringes by Geographic Region – France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2004 through 2009 (includes corresponding Graph/Chart)

Table 19. European 15-Year Perspective for Needle-Free Drug Injection Systems and Safety Syringes by Geographic Region – Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2004, 2011 and 2018 (includes corresponding Graph/Chart)

4A.FRANCE

A. Market Analysis
Current and Future Analysis
Strategic Corporate Developments
Crossject Ltd. – A French Player
B. Market Analytics

Table 20. French Recent Past, Current and Future Analysis for Needle-Free DrugInjection Systems and Safety Syringes Independently Analyzed with Annual SalesFigures in US\$ Million for Years 2010 through 2018 (includes correspondingGraph/Chart)

Table 21. French Historic Review for Needle-Free Drug Injection Systems and Safety

 Syringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years



2004 through 2009 (includes corresponding Graph/Chart)

4B.GERMANY

A. Market Analysis
Current and Future Analysis
Product Launch
Strategic Corporate Developments
Select Key Players
B. Market Analytics

Table 22. German Recent Past, Current and Future Analysis for Needle-Free DrugInjection Systems and Safety Syringes Independently Analyzed with Annual SalesFigures in US\$ Million for Years 2010 through 2018 (includes correspondingGraph/Chart)

Table 23. German Historic Review for Needle-Free Drug Injection Systems and SafetySyringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years2004 through 2009 (includes corresponding Graph/Chart)

4C.ITALY

Market Analysis

Table 24. Italian Recent Past, Current and Future Analysis for Needle-Free DrugInjection Systems and Safety Syringes Independently Analyzed with Annual SalesFigures in US\$ Million for Years 2010 through 2018 (includes correspondingGraph/Chart)

Table 25. Italian Historic Review for Needle-Free Drug Injection Systems and SafetySyringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years2004 through 2009 (includes corresponding Graph/Chart)

4D.THE UNITED KINGDOM

A. Market Analysis Current and Future Analysis



Strategic Corporate Developments Select Key Players B. Market Analytics

Table 26. UK Recent Past, Current and Future Analysis for Needle-Free Drug InjectionSystems and Safety Syringes Independently Analyzed with Annual Sales Figures inUS\$ Million for Years 2010 through 2018 (includes corresponding Graph/Chart)

Table 27. UK Historic Review for Needle-Free Drug Injection Systems and SafetySyringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years2004 through 2009 (includes corresponding Graph/Chart)

4E.SPAIN

A. Market AnalysisCurrent and Future AnalysisStrategic Corporate DevelopmentB. Market Analytics

Table 28. Spanish Recent Past, Current and Future Analysis for Needle-Free DrugInjection Systems and Safety Syringes Independently Analyzed with Annual SalesFigures in US\$ Million for Years 2010 through 2018 (includes correspondingGraph/Chart)

Table 29. Spanish Historic Review for Needle-Free Drug Injection Systems and SafetySyringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years2004 through 2009 (includes corresponding Graph/Chart)

4F.RUSSIA

A. Market AnalysisCurrent and Future AnalysisProduct LaunchesB. Market Analytics

Table 30. Russian Recent Past, Current and Future Analysis for Needle-Free Drug



Injection Systems and Safety Syringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2018 (includes corresponding Graph/Chart)

Table 31. Russian Historic Review for Needle-Free Drug Injection Systems and SafetySyringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years2004 through 2009 (includes corresponding Graph/Chart)

4G.REST OF EUROPE

A. Market Analysis
Current and Future Analysis
Product Launch
Strategic Corporate Developments
Covidien Plc – An Irish Player
B. Market Analytics

Table 32. Rest of Europe Recent Past, Current and Future Analysis for Needle-FreeDrug Injection Systems and Safety Syringes Independently Analyzed with Annual SalesFigures in US\$ Million for Years 2010 through 2018 (includes correspondingGraph/Chart)

Table 33. Rest of Europe Historic Review for Needle-Free Drug Injection Systems andSafety Syringes Independently Analyzed with Annual Sales Figures in US\$ Million forYears 2004 through 2009 (includes corresponding Graph/Chart)

5.ASIA-PACIFIC

A. Market Analysis
Current and Future Analysis
Demand for Safety Syringes in Asia Yet to Take Off
Safety Syringe Market in India Sets Off
Product Launch
Strategic Corporate Developments
B. Market Analytics

Table 34. Asia-Pacific Recent Past, Current and Future Analysis for Needle-Free Drug



Injection Systems and Safety Syringes Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2010 through 2018 (includes corresponding Graph/Chart)

Table 35. Asia-Pacific Historic Review for Needle-Free Drug Injection Systems andSafety Syringes Independently Analyzed with Annual Sales Figures in US\$ Million forYears 2004 through 2009 (includes corresponding Graph/Chart)

6.REST OF WORLD

A. Market AnalysisCurrent and Future AnalysisStrategic Corporate DevelopmentsB. Market Analytics

Table 36. Rest of World Recent Past, Current and Future Analysis for Needle-FreeDrug Injection Systems and Safety Syringes Independently Analyzed with Annual SalesFigures in US\$ Million for Years 2010 through 2018 (includes correspondingGraph/Chart)

Table 37. Rest of World Historic Review for Needle-Free Drug Injection Systems andSafety Syringes Independently Analyzed with Annual Sales Figures in US\$ Million forYears 2004 through 2009 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 93 (including Divisions/Subsidiaries - 104) The United States (46) Canada (7) Japan (2) Europe (21) - France (5) - Germany (5) - The United Kingdom (5) - Rest of Europe (6) Asia-Pacific (Excluding Japan) (27) Middle-East (1)



I would like to order

Product name: Needle-Free Drug Injection Systems and Safety Syringes: Market Research Report Product link: <u>https://marketpublishers.com/r/N1602849B1AEN.html</u>

Price: US\$ 4,600.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/N1602849B1AEN.html</u>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name: Last name: Email: Company: Address: City: Zip code: Country: Tel: Fax: Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <u>https://marketpublishers.com/docs/terms.html</u>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970