

# Orthobiologics: Global Market Prospects 2012-2022

https://marketpublishers.com/r/O87F395F06BEN.html

Date: March 2012

Pages: 123

Price: US\$ 2,635.00 (Single User License)

ID: O87F395F06BEN

# **Abstracts**

## **Report Details**

Our new report Orthobiologics: Global Market Prospects 2012-2022 covers the trends in the orthobiologics market, a promising segment of the orthopaedic sector. The orthobiologics market will see significant growth during the period 2012-2022. Growth will be driven primarily by the increasing prevalence of arthritic conditions such as, osteoarthritis and osteoporosis. In addition, an increase in demand for minimally invasive products that offer improved comfort and durability will further drive growth of this market. Technological advancements in the field of orthobiologics have seen innovations such as liquid allografts and bone glues that not only repair fractured bone but also provide mechanical support for the healing process. This trend in technological advancements will continue during the forecast period and will also be a key factor that will sustain growth of the orthobiologics market. According to our latest pharma report - the global orthobiologics market will be worth \$8.4bn by 2016.

The largest sector in orthobiologics in 2010 was bone grafts, accounting for 41.6% of the global market. Market growth in this sector is driven by the demand to develop bone graft substitutes as an alternative to using autograft bone, which has reported to have been associated with a number of complications such as, immunogenic rejection, infection, nerve injury and bleeding. There is also a limited supply of this type of bone graft. For these reasons, patient demand will be driven by the search for adequate alternatives such as allografts and synthetic bone grafts. This will fuel growth in the demand of these products, strengthening the marketing position of the bone grafts sector during the forecast period.

Orthobiologics: Global Market Prospects 2012-2022 also examines the size and value of leading national/regional markets. For each of these, visiongain identifies prevailing trends and strategies that will steer this emerging technology over the forecast period.

Orthobiologics: Global Market Prospects 2012-2022



The report also analyses the challenges facing the sector critically, including the safety issues. The report is developed through a comprehensive review of information sources, both primary and secondary. In our report you find sales forecasts, growth rates and market shares. You also receive qualitative analyses and a review of companies and leading products.

# Why you should buy Orthobiologics: Global Market Prospects 2012-2022

In this report, you will receive the following benefits in particular:

You will receive our assessment of the market for orthobiologics in 2010, with respect to the leading segments, products, companies and national markets

You will discover sales trends for the overall orthobiologics market from 2011 to 2022 - seeing where commercial growth will occur

You will discover sales trends for the main segments - bone grafts, growth factors and stem cells - from 2011 to 2022, with detailed discussions of market potential

You will receive sales forecasts for leading national/regional markets (US, Japan, Europe, India and China), with informed discussion

You will assess leading manufacturers and products in the leading segments of the orthobiologics market, with information on the pipeline products

You will examine the strengths, weaknesses, opportunities and threats (SWOT analysis) facing the infusion pumps market from 2012 onwards

You will be able to investigate competition and opportunities influencing the orthobiologics market from 2012 onwards

You will see what will stimulate and restrain the market from 2012

You will discover the unmet needs in the market, driving the growth from 2012 onwards

You will view expert opinion from our survey.



# You can order this report today

Anybody with an interest in the orthobiologics market should gain valuable information and insight from this new study by Visiongain, which analyses one of the most important sub-sectors of the orthopaedics industry. You can stay ahead by ordering this report today.



## **Contents**

#### 1. EXECUTIVE SUMMARY

- 1.1 Sector Highlights
- 1.2 Aims, Scope and Format of the Report
- 1.3 Chapter Outline
- 1.4 Research and Analysis Methods
- 1.5 Glossary of Terms Related to Report

## 2. INTRODUCTION TO ORTHOBIOLOGICS

- 2.1 Orthobiology
- 2.2 Types of Orthobiologics
- 2.3 Bone Grafts
  - 2.3.1 Autograft
  - 2.3.2 Allograft
  - 2.3.3 Other Types of Bone Grafts
- 2.4 Growth Factors (GFs)
  - 2.4.1 GF Proteins
  - 2.4.2 Bone Morphogenetic Proteins (BMPs)
- 2.5 Stem Cells
- 2.6 The Potential of Orthobiologics

## 3. THE ORTHOBIOLOGICS MARKET, 2010-2022

- 3.1 The Global Medical Devices Market, 2010
- 3.2 The Global Orthopaedic Devices Market, 2010
  - 3.2.1 Orthopaedic Devices Market Trends, 2010
- 3.3 The Global Orthobiologics Market, 2010
- 3.4 Orthobiologics Market Forecast, 2011-2022
- 3.5 Orthobiologics Market Trends, 2012-2022
  - 3.5.1 Increasing Use of Bone Graft Materials
  - 3.5.2 Patient Demographics
  - 3.5.3 Huge Potential for Growth Factors and Stem Cell Therapy

## 4. THE BONE GRAFTS MARKET, 2010-2022

## 4.1 Bone Grafting



- 4.1.1 Bone Tissue
- 4.1.2 Biological Mechanism of Bone Grafting
- 4.2 Bone Grafts Market, 2010
- 4.3 Bone Grafts Market Forecast, 2011-2022
- 4.4 Bone Grafts Market Trends, 2012-2022
- 4.4.1 Spinal Fusion Procedures to Drive Bone Graft Usage
- 4.4.2 Increasing Demand for Bone Graft Substitutes

## 5. THE GROWTH FACTORS MARKET, 2010-2022

- 5.1 Growth Factors
  - 5.1.1 Wound Healing and The Role of Growth Factors
- 5.2 Bone Morphogenetic Proteins (BMP)
- 5.3 The BMP Market in 2010: Products and Companies
- 5.4 Growth Factors Market Forecast, 2011-2022
- 5.5 Growth Factors Market Trends, 2012-2022
  - 5.5.1 Use in Spinal Fusion Procedures
  - 5.5.2 Increasing Preference for BMPs

## 6. THE STEM CELLS MARKET, 2010-2022

- 6.1 Stem Cells
- 6.2 Stem Cell Therapy for Orthopaedics, 2010
- 6.3 Stem Cells Market Forecast, 2011-2022
- 6.4 Stem Cells Market Trends, 2012-2022

## 7. LEADING COMPANIES IN THE ORTHOBIOLOGICS MARKET, 2010

- 7.1 Intensively Competitive Market
- 7.2 Leading Companies in the Orthobiologics Market, 2010
- 7.3 Medtronic
  - 7.3.1 Sales and Recent Performance Analysis, 2010
    - 7.3.1.1 Spinal Sector
  - 7.3.2 Medtronic's Orthobiologic Products
  - 7.3.3 Acquisition of Otseotech
- 7.4 Genzyme
  - 7.4.1 Sales and Recent Performance Analysis, 2010
  - 7.4.2 Genzyme's Orthobiologic Products
  - 7.4.3 Genzyme Enter Huge Japanese Market



# 7.5 Stryker

- 7.5.1 Sales and Recent Performance Analysis, 2010
- 7.5.2 Financial Analysis By Sector
  - 7.5.2.1 Medical And Surgical
  - 7.5.2.2 Orthopaedic Implants
- 7.5.3 Stryker's Orthobiologic Products
  - 7.5.3.1 Allografts
  - 7.5.3.2 Synthetics
- 7.5.4 Orthovita Inc. Acquisition To Strengthen Orthobiologic Portfolio
- 7.6 Integra Life Sciences
  - 7.6.1 Sales and Recent Performance Analysis, 2010
  - 7.6.2 Integra Life Sciences' Orthobiologic Products
  - 7.6.3 New Product to Strengthen Advanced Orthobiologics Portfolio
- 7.7 Wright Medical
  - 7.7.1 Sales and Recent Performance Analysis, 2010
  - 7.7.2 Wright Medical's Orthobiologic Products
  - 7.7.3 Cost Restructuring Plan Aims to Foster Future Growth
- 7.8 AAP Implantate
  - 7.8.1 Sales and Recent Performance Analysis, 2010
  - 7.8.2 AAP Implantate's Orthobiologic Products
- 7.9 Other Companies
- 7.10 Zimmer
  - 7.10.1 Sales and Recent Performance Analysis, 2010
  - 7.10.2 Zimmer's Orthobiologic Products
  - 7.10.3 Asia-Pacific Expansion

## 8. LEADING NATIONAL ORTHOBIOLOGIC MARKETS, 2010

- 8.1 Regional Breakdown of The Global Orthobiologics Market, 2010
- 8.2 The Global Orthobiologics Market: Regional Forecast, 2011-2022
- 8.3 The US Market
- 8.4 The European Market
  - 8.4.1 Germany and France
  - 8.4.2 Italy
  - 8.4.3 Spain
  - 8.4.4 U.K
- 8.5 The Japanese Market
- 8.6 The Indian Market
- 8.7 The Chinese Market



## 9. SWOT ANALYSIS OF THE ORTHOBIOLOGICS MARKET, 2012

- 9.1 Orthobiologics: Industry Trends
- 9.2 Strengths
  - 9.2.1 Patient Demographics
  - 9.2.2 Less Invasive and Safer
- 9.3 Weaknesses
  - 9.3.1 Risks
  - 9.3.2 Lack of Comparative Efficacy
- 9.4 Opportunities
  - 9.4.1 Continued Investment
  - 9.4.2 Globalisation
- 9.5 Threats
  - 9.5.1 Regulatory Approval Process
  - 9.5.2 Medical Device Excise Tax

## 10. ORTHOBIOLOGICS: PRODUCT PIPELINE, 2010

- 10.1 Innovative Technology Drives the Market
- 10.2 Bone Glue
- 10.3 Liquid Allograft
- 10.4 Gene Activated Matrix Technology

#### 11. EXPERT OPINION

- 11.1 Interview with ISTO Technologies, Inc.
  - 11.1.1 The Orthobiologics Market
  - 11.1.2 Orthobiologics Role in Relation to Other Treatment Options
  - 11.1.3 Public/Patient Awareness
  - 11.1.4 ISTO Technologies: Products And Platforms
  - 11.1.5 Challenges Facing ISTO Technologies
  - 11.1.6 Competition In The Orthobiologics Industry
  - 11.1.7 Future Projections

#### 12. CONCLUSIONS

- 12.1 Overview
- 12.2 Bone Grafts Will Remain the Largest Segment



- 12.3 Prominent Companies in the Market
- 12.4 World Market Forecasts
- 12.5 Future Outlook and Concluding Remarks

#### **APPENDIX A**

#### APPENDIX B: VISIONGAIN REPORT EVALUATION FORM

#### LIST OF TABLES

- Table 2.1 Other Types of Bone Graft Procedures, 2010
- Table 3.1 The Medical Device Market: Global Sales (\$bn) by Sector, 2010
- Table 3.2 Orthopaedic Devices Market: Global Sales (\$bn) and Market Shares (%) by Sector, 2010
- Table 3.3 Orthobiologics Market: Net Sales (\$bn) and Market Shares (%) by Sector, 2010
- Table 3.4 Orthobiologics Market Forecast (\$bn) by Segment, 2010-2016
- Table 3.5 Orthobiologics Market Forecast (\$bn) by Segment, 2016-2022
- Table 4.1 Mechanisms Involved in Bone Grafting
- Table 4.2 Bone Grafts: Net Sales (\$bn) by Type of Graft, 2010
- Table 4.3 Bone Grafts: Market Forecast (\$bn), 2010-2022
- Table 5.1 Types and Characteristics of Main BMPs, 2010
- Table 5.2 Growth Factors Market: Net Sales (\$bn) by Type of Growth Factor, 2010
- Table 5.3 Leading Products in the BMP Market, 2010
- Table 5.4 Growth Factors Market Forecast (\$bn), 2010-2022
- Table 6.1 Classification of Stem Cells, 2010
- Table 6.2 Stem Cells Market Forecast (\$bn), 2010-2022
- Table 7.1 Leading Companies in the Orthobiologics Market, 2010
- Table 7.2 Medtronic Net Sales (\$bn) and Market Shares (%) by Sector, 2010
- Table 7.3 Medtronic Spinal Sector: Net Sales (\$m) and Market Shares (%) by Product Line, 2010
- Table 7.4 Genzyme: 2010 Net Sales (\$m) and Market Shares (%), By Business Unit
- Table 7.5 Stryker: 2010 Net Sales (\$bn) and Market Shares (%), By Sector
- Table 7.6 Stryker's Medical & Surgical Sector: Net Sales (\$bn) By Product Line, 2010
- Table 7.7 Stryker's Orthopaedic Implants Sector: Net Sales (\$bn) and Market Shares (%) By Product Line, 2010
- Table 7.8 Integra Life Sciences: Net Sales (\$m) & Market Shares (%) by Sector, 2010
- Table 7.9 Wright Medical: Net Sales (\$m) By Product Category, 2010
- Table 7.10 AAP Implantate: 2010 Net Sales (?m), By Sector



- Table 7.11 Other Companies Operating in the Orthobiologics Market, 2010
- Table 7.12 Zimmer: Net Sales (\$m) By Product Category, 2010
- Table 8.1 Orthobiologics Market: Regional Sales (\$bn) and Market Shares (%), 2010
- Table 8.2 Orthobiologics: Regional Market Forecast (\$bn), 2010-2016
- Table 8.3 Orthobiologics: Regional Market Forecast (\$bn), 2016-2022
- Table 8.4 The Leading European Orthobiologics National Markets by Sales (\$bn), 2010
- Table 8.5 The European Orthobiologics Market Forecast (\$bn) by Country, 2010-2016
- Table 8.6 The European Orthobiologics Market Forecast (\$bn) by Country, 2016-2022
- Table 9.1 SWOT Analysis of the Orthobiologics Market, 2012
- Table 12.1 Orthobiologics Market Forecast (\$bn) by Sector in 2010, 2016, 2018 and 2022



# **List Of Figures**

#### LIST OF FIGURES

- Figure 3.1 The Medical Device Market: Global Market Shares (%) by Sector, 2010
- Figure 3.2 Orthopaedic Devices Market: Market Shares (%) by Sector, 2010
- Figure 3.3 Orthobiologics Market: Net Sales (\$bn) by Segment, 2010
- Figure 3.4 Orthobiologics Market: Market Shares (%) by Segment, 2010
- Figure 3.5 Total Orthobiologics Market Forecast (\$bn), 2010-2022
- Figure 4.1 Bone Grafts: Net Sales (\$bn) by Type of Graft, 2010
- Figure 4.2 Bone Grafts: Market Share (%) by Type of Graft, 2010
- Figure 4.3 Bone Grafts: Market Forecast (\$bn), 2010-2022
- Figure 5.1 Growth Factors Market: Market Share (%) by Type of Growth Factor, 2010
- Figure 5.2 Growth Factors Market: Market Share (%) by Type of Growth Factor, 2010
- Figure 5.3 Growth Factors Market Forecast (\$bn), 2010-2022
- Figure 6.1 Stem Cells Market Forecast (\$bn), 2010-2022
- Figure 7.1 Leading Companies in the Orthobiologics Market: Net Sales (\$m), 2010
- Figure 7.2 Leading Companies in the Orthobiologics Market: Global Market Shares (%), 2010
- Figure 7.3 Medtronic Market Shares (%) by Sector, 2010
- Figure 7.4 Medtronic Spinal Sector Market Shares (%) by Product Line, 2010
- Figure 7.5 Genzyme: 2010 Net Sales (\$m) and Market Shares (%), By Business Unit
- Figure 7.6 Genzyme: 2010 Market Shares (%), By Business Unit
- Figure 7.7 Stryker: 2010 Market Shares (%), By Sector
- Figure 7.8 Stryker's Orthopaedic Implants Sector: Net Sales (\$bn) By Product Line, 2010
- Figure 7.9 Stryker's Orthopaedic Implants Sector: Market Shares (%) By Product Line, 2010
- Figure 7.10 Integra Life Sciences: Net Sales (\$m) by Sector, 2010
- Figure 7.11 Integra Life Sciences: Market Shares (%) By Sector, 2010
- Figure 7.12 Wright Medical: Net Sales (\$m) By Product Category, 2010
- Figure 7.13 Wright Medical: Market Shares (%) By Product Category, 2010
- Figure 7.14 Wright Medical: Total Net Sales (\$m), 2001-2010
- Figure 7.15 AAP Implantate: 2010 Net Sales (?m), By Sector
- Figure 7.16 Zimmer: Net Sales (\$m) By Product Category, 2010
- Figure 7.17 Zimmer: Market Shares (%) By Product Category, 2010
- Figure 7.18 Percentage Change in Zimmer Net Sales By Product Category (%), 2009-2010
- Figure 8.1 Orthobiologics Market: Regional Sales (\$bn), 2010



Figure 8.2 Orthobiologics Market: Regional Market Shares (%), 2010

Figure 8.3 The US Orthobiologics Market Forecast (\$bn), 2010-2022

Figure 8.4 The European Orthobiologics Market: Sales (\$bn) by Leading Countries, 2010

Figure 8.5 The European Orthobiologics: Market Shares (%) by Leading Countries, 2010

Figure 8.6 The European Orthobiologics Market Forecast (\$bn), 2010-2022

Figure 8.7 The German and French Orthobiologics Market Forecasts (\$bn), 2010-2022

Figure 8.8 The Italian Orthobiologics Market Forecast (\$bn), 2010-2022

Figure 8.9 The Spanish Orthobiologics Market Forecast (\$bn), 2010-2022

Figure 8.10 The UK Orthobiologics Market Forecast (\$bn), 2010-2022

Figure 8.11 The Japanese Orthobiologics Market Forecast (\$bn), 2010-2022

Figure 8.12 The Indian Orthobiologics Market Forecast (\$bn), 2010-2022

Figure 8.13 The Chinese Orthobiologics Market Forecast (\$bn), 2010-2022

Figure 12.1 Projected Total Orthobiologics Market Size (\$bn) in 2010, 2016, 2018 and 2022

Figure 12.2 Projected Market Size (\$bn): Bone Grafts, Growth Factors and Stem Cells Market in 2010, 2016, 2018 and 2022

### **COMPANIES LISTED**

**AAP Implantate** 

Aastrom Biosciences Inc.

Allograft Tissue systems

**AlloSource** 

Alphatech Spine

American Association of Tissue Banks (AATB)

Anika Therapeutics Inc

Arteriocyte Medical Systems Inc

Artimplant AB

B Braun Melsungen AG

**Bacterin International** 

Baxter International Inc

Berkeley Advanced Biomaterials Inc.

Biocomposites Ltd

Biocoral Inc

**Biologic Therapies** 

Biomatlante

Biomet Inc.



**BioMimetic Therapeutics** 

Bioset Inc.

BioTissue AG

Bone Solutions Inc

BoneSupport AB

**Cardium Therapeutics** 

Ceramisys Ltd

Cerapedics Inc

co.don AG

Collagen Matrix Inc

curasan AG

Cytomedix Inc

DePuy Inc.

**ETEX Corporation** 

Exactech Inc.

Food and Drug Administration (FDA)

Geistlich Pharma AG

Genzyme

Graftys

Harvest Technologies

Histogenics Corp

Integra LifeSciences

ISTO Technologies Inc

Kasios

Kensey Nash Corp

Kinetic Concepts Inc

Kuros Biosurgery AG

Lanx Inc

Lindare Medical

Medtronic

Mesoblast Ltd

MiMedx Group Inc.

North American Spine Society

NovaBone Products LLC

NuVasive Inc

Olympus Terumo

Orteq Bioengineering

Orthofix International NV

Orthovita



Osiris Therapeutics Inc

Osteotech

Pioneer Surgical Technology

PolyNovo Biomaterials Ltd

RTI Biologics Inc

Skye Orthobiologics

Smith & Nephew

Stryker Corporation

Synovis Life Technologies

Synthes

Teijin Pharma

**TEKNIMED SA** 

Tigenix

Tissue Banks International

Tissue Genesis Inc

TissueGene Inc

Tornier

Wright Medical

Zimmer



## I would like to order

Product name: Orthobiologics: Global Market Prospects 2012-2022
Product link: <a href="https://marketpublishers.com/r/O87F395F06BEN.html">https://marketpublishers.com/r/O87F395F06BEN.html</a>

Price: US\$ 2,635.00 (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 <a href="https://marketpublishers.com/r/087F395F06BEN.html">https://marketpublishers.com/r/087F395F06BEN.html</a>

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	

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

& Conditions at https://marketpublishers.com/docs/terms.html

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

Orthobiologics: Global Market Prospects 2012-2022