

Tissue Engineering Market by Product (Scaffolds (Collagen, Stem Cell), Tissue Grafts (Allograft, Autograft, Xenograft)), Material (Biological, Synthetic), Application (Orthopedics, Dermatology, Wound Care, Cardiovascular) - Global Forecast to 2028

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Abstracts

The tissue engineering market is projected to reach USD 8.9 billion by 2028 from an estimated USD 4.4 billion in 2023, at a CAGR of 15.3% during the forecast period. The growth of this market can be attributed to rising funding and investments for the development of advanced tissue engineering solutions and growing technological advancements in regenerative medicines. In addition, increasing incidences of road accidents and trauma injuries drive the demand for tissue engineering products. The rising demand for tissue-engineered products for the treatment of chronic and degenerative diseases is promoting the growth of the market.

“The synthetic material segment accounted for the largest share by material in 2022.”

The synthetic material segment accounted for the largest share of material in the global tissue engineering market in 2022. Various factors, such as increasing demand for innovative tissue engineering solutions for tissue repair and regeneration and growing investments and government funding for the advancement of technologies in the healthcare sector, are driving the demand for synthetic materials in the tissue engineering market. Additionally, the market share of the synthetic material market is expected to grow simultaneously with the growing demand for regenerative medicines.

“The Asia Pacific region is growing in the tissue engineering market during the forecast period of 2023-2028.”

Increasing R&D activities and the growing adoption of advanced medical care technologies are the major factors driving the adoption of tissue engineering. The Asia Pacific region is growing at a higher rate during the forecast period. Several factors, including the growing adoption of advanced medical care technologies and the booming healthcare industry, are propelling the growth of the tissue engineering market in the region. The increasing advancements in cell therapies and regenerative medicines are promoting the growth of the tissue engineering market in the region. For instance, the Department of Science & Technology (DST), Government of India, Inspire fellows are developing biomaterials for bone tissue regeneration. The study focuses on the development of materials for therapeutic applications and studying properties of stem cells for tissue regeneration.

The primary interviews conducted for this report can be categorized as follows:

By Respondent: Supply Side- 80% and Demand Side 20%

By Designation: Managers - 45%, CXO & Directors - 30%, and Executives - 25%

By Region: North America -40%, Europe -25%, Asia-Pacific -20%, Latin America -10% and Middle East & Africa- 5%

List of Companies Profiled in the Report:

Organogenesis (US)

AbbVie Inc. (US)

Baxter (US)

BD (US)

B. Braun (Germany)

TEIJIN Limited (Japan)

Institut Straumann AG (Switzerland)

Integra Lifesciences (US)

Johnson & Johnson Services, Inc. (US)

Medtronic (Ireland)

NuVasive, Inc. (US)

Stryker (US)

Terumo Corporation (Japan)

W. L. Gore & Associates Inc. (US)

Zimmer Biomet (US)

Smith & Nephew plc (UK)

MIMEDX Group, Inc. (US)

BioTissue (US)

CollPlant Biotechnologies Ltd. (Israel)

Sumitomo Pharma Co., Ltd. (Japan)

Matricel GmbH (Germany)

Mallinckrodt (US)

Regrow Biosciences Pvt Ltd (India)

Vericel Corporation (US)

Tecnoss S.R.L. (Italy)

Tegoscience (South Korea)

Tissue Regenix (UK)

Research Coverage:

This research report categorizes the tissue engineering market by product type (scaffold, tissue grafts, and other products), material (synthetic material and biologically derived material), application (orthopedics & musculoskeletal disorders, dermatology & wound care, dental disorders, cardiovascular diseases, and others), end user (hospitals, specialty centers and clinics, and ambulatory surgical centers)

The report's scope encompasses detailed information regarding major influencing factors such as drivers, trends, challenges, and opportunities shaping the growth of the tissue engineering market. A comprehensive analysis of key industry players has been conducted to offer insights into their business overview, products, key strategies, collaborations, partnerships, and agreements. The report also covers recent developments, including new product launches, mergers and acquisitions, and the tissue engineering market.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants by providing them with the closest approximations of the revenue numbers for the overall tissue engineering market and its subsegments. It will also help stakeholders better understand the competitive landscape and gain more insights to better position their business and make suitable go-to-market strategies. This report will enable stakeholders to understand the market's pulse and provide them with information on the key market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Analysis of key drivers (rising funding and investments for the development of innovative tissue engineering products and growing need for tissue engineering solutions), restraints (strict regulations), opportunities (increasing technological advancements such as 3D bioprinting and organ-on-chip technology), and challenges (limited awareness for tissue engineering) influencing the growth of the market.

Product Development/Innovation: Detailed insights on newly launched products of the tissue engineering market

Market Development: Comprehensive information about lucrative markets - the report analyses the market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the tissue engineering market

Competitive Assessment: Organogenesis (US), AbbVie Inc. (US), Baxter (US), BD (US), B. Braun (Germany), TEIJIN Limited (Japan), Institut Straumann AG (Switzerland), Integra Lifesciences (US), Johnson & Johnson Services, Inc. (US), Medtronic (Ireland), NuVasive, Inc. (US), Stryker (US), Terumo Corporation (Japan), W. L. Gore & Associates Inc. (US), Zimmer Biomet (US), Smith & Nephew plc (UK), MIMEDX Group, Inc. (US), BioTissue (US), ColliPlant Biotechnologies Ltd. (Israel), Sumitomo Pharma Co., Ltd. (Japan), Matricel GmbH (Germany), Mallinckrodt (US), Regrow Biosciences Pvt Ltd (India), Vericel Corporation (US), TecnoSS S.R.L. (Italy), Tegoscience (South Korea), and Tissue Regenix (UK).

Contents

1 INTRODUCTION

- 1.1 STUDY OBJECTIVES
- 1.2 MARKET DEFINITION & SCOPE
 - 1.2.1 INCLUSIONS AND EXCLUSIONS
 - 1.2.2 MARKETS COVERED
 - 1.2.3 YEARS CONSIDERED
- 1.3 CURRENCY
- 1.4 STAKEHOLDERS
- 1.5 LIMITATIONS
- 1.6 RECESSION IMPACT

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - FIGURE 1 RESEARCH DESIGN
 - 2.1.1 SECONDARY DATA
 - 2.1.2 PRIMARY DATA
 - FIGURE 2 TISSUE ENGINEERING MARKET: BREAKDOWN OF PRIMARIES
- 2.2 MARKET SIZE ESTIMATION
 - FIGURE 3 TISSUE ENGINEERING MARKET SIZE ESTIMATION (SUPPLY-SIDE ANALYSIS), 2022
 - FIGURE 4 MARKET SIZE ESTIMATION: APPROACH 1 (REVENUE SHARE ANALYSIS), 2022
 - FIGURE 5 ILLUSTRATIVE EXAMPLE OF ABBVIE INC.: REVENUE SHARE ANALYSIS, 2022
 - 2.2.1 INSIGHTS FROM PRIMARIES
 - FIGURE 6 MARKET VALIDATION FROM PRIMARY EXPERTS
 - FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH
- 2.3 GROWTH RATE ASSUMPTIONS/GROWTH FORECAST
 - FIGURE 8 TISSUE ENGINEERING MARKET: CAGR PROJECTIONS
 - FIGURE 9 TISSUE ENGINEERING MARKET: GROWTH ANALYSIS OF DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES
- 2.4 MARKET BREAKDOWN AND DATA TRIANGULATION
 - FIGURE 10 DATA TRIANGULATION METHODOLOGY
- 2.5 RESEARCH ASSUMPTIONS
- 2.6 RISK ANALYSIS

2.7 RECESSION IMPACT ANALYSIS

TABLE 1 GLOBAL INFLATION RATE PROJECTIONS, 2021–2028 (% GROWTH)

TABLE 2 US: HEALTH EXPENDITURE, 2019–2022 (USD MILLION)

TABLE 3 US: HEALTH EXPENDITURE, 2023–2030 (USD MILLION)

3 EXECUTIVE SUMMARY

FIGURE 11 TISSUE ENGINEERING MARKET, BY PRODUCT, 2023 VS. 2028 (USD MILLION)

FIGURE 12 TISSUE ENGINEERING MARKET, BY MATERIAL, 2023 VS. 2028 (USD MILLION)

FIGURE 13 TISSUE ENGINEERING MARKET, BY APPLICATION, 2023 VS. 2028 (USD MILLION)

FIGURE 14 TISSUE ENGINEERING MARKET, BY END USER, 2023 VS. 2028 (USD MILLION)

FIGURE 15 GEOGRAPHICAL SNAPSHOT OF TISSUE ENGINEERING MARKET

4 PREMIUM INSIGHTS

4.1 TISSUE ENGINEERING MARKET OVERVIEW

FIGURE 16 GROWING DEMAND FOR REGENERATIVE MEDICINE TO DRIVE MARKET

4.2 ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY MATERIAL AND COUNTRY (2022)

FIGURE 17 SYNTHETIC MATERIALS HELD LARGEST SHARE OF ASIA PACIFIC TISSUE ENGINEERING MARKET IN 2022

4.3 TISSUE ENGINEERING MARKET: GEOGRAPHIC GROWTH OPPORTUNITIES

FIGURE 18 INDIA TO WITNESS HIGHEST GROWTH IN TISSUE ENGINEERING MARKET DURING FORECAST PERIOD

4.4 TISSUE ENGINEERING MARKET SHARE, BY PRODUCT, 2022

FIGURE 19 SCAFFOLDS ACCOUNTED FOR LARGEST MARKET SHARE IN 2022

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 20 TISSUE ENGINEERING MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

TABLE 4 TISSUE ENGINEERING MARKET: IMPACT ANALYSIS

5.2.1 DRIVERS

5.2.1.1 Growing demand for regenerative medicine

5.2.1.2 Ongoing clinical trials and approvals in tissue engineering field

TABLE 5 ONGOING TISSUE ENGINEERING PRODUCT TRIALS REGISTERED ON CLINICALTRIALS.GOV

TABLE 6 EUROPE: TISSUE ENGINEERING PRODUCT TRIALS, JANUARY 2009–DECEMBER 2021

5.2.1.3 Availability of funding and investments for research and development of tissue engineering products

5.2.2 RESTRAINTS

5.2.2.1 High treatment cost

5.2.2.2 Complex regulatory process

5.2.3 OPPORTUNITIES

5.2.3.1 Emerging economies

5.2.3.2 Technological advancements in tissue engineering products

5.2.4 CHALLENGES

5.2.4.1 Cost-effective traditional organ transplant technique

5.2.4.2 Limited awareness

5.2.4.3 Safety concerns and complexity of biomaterials

5.3 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

FIGURE 21 REVENUE SHIFT AND NEW POCKETS FOR TISSUE ENGINEERING PRODUCT PROVIDERS

5.4 PRICING ANALYSIS

TABLE 7 AVERAGE PRICE OF TISSUE ENGINEERING PRODUCTS, BY COMPANY, 2022

TABLE 8 AVERAGE PRICE OF TISSUE ENGINEERING PRODUCTS, BY REGION, 2022

5.5 VALUE CHAIN ANALYSIS

FIGURE 22 VALUE CHAIN ANALYSIS OF TISSUE ENGINEERING MARKET: R&D AND MANUFACTURING PHASES ADD MAXIMUM VALUE

5.6 SUPPLY CHAIN ANALYSIS

FIGURE 23 TISSUE ENGINEERING MARKET: SUPPLY CHAIN ANALYSIS

5.7 ECOSYSTEM ANALYSIS

TABLE 9 ECOSYSTEM FOR TISSUE ENGINEERING

5.8 TECHNOLOGY ANALYSIS

5.9 PATENT ANALYSIS

FIGURE 24 PATENT APPLICATIONS FOR TISSUE ENGINEERING MARKET, JANUARY 2013–OCTOBER 2023

TABLE 10 INDICATIVE LIST OF PATENTS IN TISSUE ENGINEERING MARKET

5.10 KEY CONFERENCES AND EVENTS IN 2023–2024

TABLE 11 TISSUE ENGINEERING MARKET: DETAILED LIST OF CONFERENCES AND EVENTS

5.11 REGULATORY ANALYSIS

5.11.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 12 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 15 REST OF THE WORLD: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.12 PORTER'S FIVE FORCES ANALYSIS

TABLE 16 TISSUE ENGINEERING MARKET: PORTER'S FIVE FORCES ANALYSIS

5.12.1 THREAT OF NEW ENTRANTS

5.12.2 THREAT OF SUBSTITUTES

5.12.3 BARGAINING POWER OF SUPPLIERS

5.12.4 BARGAINING POWER OF BUYERS

5.12.5 INTENSITY OF COMPETITIVE RIVALRY

5.13 KEY STAKEHOLDERS AND BUYING CRITERIA

5.13.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 25 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF TISSUE ENGINEERING PRODUCTS

5.13.2 BUYING CRITERIA FOR TISSUE ENGINEERING PRODUCTS

FIGURE 26 KEY BUYING CRITERIA FOR END USERS

6 TISSUE ENGINEERING MARKET, BY PRODUCT

6.1 INTRODUCTION

TABLE 17 TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

6.2 SCAFFOLDS

TABLE 18 SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 19 SCAFFOLDS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 20 NORTH AMERICA: SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 21 EUROPE: SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD

MILLION)

TABLE 22 ASIA PACIFIC: SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 23 LATIN AMERICA: SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 24 MIDDLE EAST & AFRICA: SCAFFOLDS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.2.1 SYNTHETIC SCAFFOLDS

6.2.1.1 Controlled degradation rate and ability to design specific microarchitecture to drive adoption

TABLE 25 SYNTHETIC SCAFFOLDS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 26 NORTH AMERICA: SYNTHETIC SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 27 EUROPE: SYNTHETIC SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 28 ASIA PACIFIC: SYNTHETIC SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 29 LATIN AMERICA: SYNTHETIC SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 30 MIDDLE EAST & AFRICA: SYNTHETIC SCAFFOLDS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.2.2 BIOLOGICAL SCAFFOLDS

TABLE 31 BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 32 BIOLOGICAL SCAFFOLDS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 33 NORTH AMERICA: BIOLOGICAL SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 34 EUROPE: BIOLOGICAL SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 35 ASIA PACIFIC: BIOLOGICAL SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 36 LATIN AMERICA: BIOLOGICAL SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 37 MIDDLE EAST & AFRICA: BIOLOGICAL SCAFFOLDS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.2.2.1 Collagen-based scaffolds

6.2.2.1.1 Rising demand for advanced tissue regeneration solutions to drive market

TABLE 38 COLLAGEN-BASED SCAFFOLDS MARKET, BY REGION, 2021–2028
(USD MILLION)

TABLE 39 NORTH AMERICA: COLLAGEN-BASED SCAFFOLDS MARKET, BY
COUNTRY, 2021–2028 (USD MILLION)

TABLE 40 EUROPE: COLLAGEN-BASED SCAFFOLDS MARKET, BY COUNTRY,
2021–2028 (USD MILLION)

TABLE 41 ASIA PACIFIC: COLLAGEN-BASED SCAFFOLDS MARKET, BY
COUNTRY, 2021–2028 (USD MILLION)

TABLE 42 LATIN AMERICA: COLLAGEN-BASED SCAFFOLDS MARKET, BY
COUNTRY, 2021–2028 (USD MILLION)

TABLE 43 MIDDLE EAST & AFRICA: COLLAGEN-BASED SCAFFOLDS MARKET, BY
REGION, 2021–2028 (USD MILLION)

6.2.2.2 Hydrogel-based scaffolds

6.2.2.2.1 Low mechanical strength of hydrogels to hamper adoption

TABLE 44 HYDROGEL-BASED SCAFFOLDS MARKET, BY REGION, 2021–2028
(USD MILLION)

TABLE 45 NORTH AMERICA: HYDROGEL-BASED SCAFFOLDS MARKET, BY
COUNTRY, 2021–2028 (USD MILLION)

TABLE 46 EUROPE: HYDROGEL-BASED SCAFFOLDS MARKET, BY COUNTRY,
2021–2028 (USD MILLION)

TABLE 47 ASIA PACIFIC: HYDROGEL-BASED SCAFFOLDS MARKET, BY
COUNTRY, 2021–2028 (USD MILLION)

TABLE 48 LATIN AMERICA: HYDROGEL-BASED SCAFFOLDS MARKET, BY
COUNTRY, 2021–2028 (USD MILLION)

TABLE 49 MIDDLE EAST & AFRICA: HYDROGEL-BASED SCAFFOLDS MARKET, BY
REGION, 2021–2028 (USD MILLION)

6.2.2.3 Stem cell-based scaffolds

6.2.2.3.1 Growing adoption of stem cell-based scaffolds for wound healing to drive
market

TABLE 50 STEM CELL-BASED SCAFFOLDS MARKET, BY REGION, 2021–2028
(USD MILLION)

TABLE 51 NORTH AMERICA: STEM CELL-BASED SCAFFOLDS MARKET, BY
COUNTRY, 2021–2028 (USD MILLION)

TABLE 52 EUROPE: STEM CELL-BASED SCAFFOLDS MARKET, BY COUNTRY,
2021–2028 (USD MILLION)

TABLE 53 ASIA PACIFIC: STEM CELL-BASED SCAFFOLDS MARKET, BY
COUNTRY, 2021–2028 (USD MILLION)

TABLE 54 LATIN AMERICA: STEM CELL-BASED SCAFFOLDS MARKET, BY
COUNTRY, 2021–2028 (USD MILLION)

TABLE 55 MIDDLE EAST & AFRICA: STEM CELL-BASED SCAFFOLDS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.2.2.4 Other biological material-based scaffolds

TABLE 56 OTHER BIOLOGICAL MATERIAL-BASED SCAFFOLDS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 57 NORTH AMERICA: OTHER BIOLOGICAL MATERIAL-BASED SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 58 EUROPE: OTHER BIOLOGICAL MATERIAL-BASED SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 59 ASIA PACIFIC: OTHER BIOLOGICAL MATERIAL-BASED SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 60 LATIN AMERICA: OTHER BIOLOGICAL MATERIAL-BASED SCAFFOLDS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 61 MIDDLE EAST & AFRICA: OTHER BIOLOGICAL MATERIAL-BASED SCAFFOLDS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.3 TISSUE GRAFTS

TABLE 62 TISSUE GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 63 TISSUE GRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 64 NORTH AMERICA: TISSUE GRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 65 EUROPE: TISSUE GRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 66 ASIA PACIFIC: TISSUE GRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 67 LATIN AMERICA: TISSUE GRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 68 MIDDLE EAST & AFRICA: TISSUE GRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.3.1 ALLOGRAFTS

6.3.1.1 Risk of donor-to-recipient disease transmission to restrict market growth

TABLE 69 ALLOGRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 70 NORTH AMERICA: ALLOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 71 EUROPE: ALLOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 72 ASIA PACIFIC: ALLOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 73 LATIN AMERICA: ALLOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 74 MIDDLE EAST & AFRICA: ALLOGRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.3.2 AUTOGRAFTS

6.3.2.1 Advancements in tissue processing techniques to support market growth

TABLE 75 AUTOGRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 76 NORTH AMERICA: AUTOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 77 EUROPE: AUTOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 78 ASIA PACIFIC: AUTOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 79 LATIN AMERICA: AUTOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 80 MIDDLE EAST & AFRICA: AUTOGRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.3.3 SYNTHETIC GRAFTS

6.3.3.1 Continuous innovations in materials science and engineering to drive market

TABLE 81 SYNTHETIC GRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 82 NORTH AMERICA: SYNTHETIC GRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 83 EUROPE: SYNTHETIC GRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 84 ASIA PACIFIC: SYNTHETIC GRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 85 LATIN AMERICA: SYNTHETIC GRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 86 MIDDLE EAST & AFRICA: SYNTHETIC GRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.3.4 XENOGRAFTS

6.3.4.1 Growing R&D activities to propel market

TABLE 87 XENOGRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 88 NORTH AMERICA: XENOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 89 EUROPE: XENOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 90 ASIA PACIFIC: XENOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 91 LATIN AMERICA: XENOGRAFTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 92 MIDDLE EAST & AFRICA: XENOGRAFTS MARKET, BY REGION, 2021–2028 (USD MILLION)

6.4 OTHER PRODUCTS

TABLE 93 OTHER TISSUE ENGINEERING PRODUCTS MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 94 NORTH AMERICA: OTHER TISSUE ENGINEERING PRODUCTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 95 EUROPE: OTHER TISSUE ENGINEERING PRODUCTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 96 ASIA PACIFIC: OTHER TISSUE ENGINEERING PRODUCTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 97 LATIN AMERICA: OTHER TISSUE ENGINEERING PRODUCTS MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 98 MIDDLE EAST & AFRICA: OTHER TISSUE ENGINEERING PRODUCTS MARKET, BY REGION, 2021–2028 (USD MILLION)

7 TISSUE ENGINEERING MARKET, BY MATERIAL

7.1 INTRODUCTION

TABLE 99 TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

7.2 SYNTHETIC MATERIALS

7.2.1 ADVANCEMENTS IN SCAFFOLD PREPARATION TECHNIQUES TO SUPPORT MARKET GROWTH

TABLE 100 TISSUE ENGINEERING MARKET FOR SYNTHETIC MATERIALS, BY REGION, 2021–2028 (USD MILLION)

TABLE 101 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR SYNTHETIC MATERIALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 102 EUROPE: TISSUE ENGINEERING MARKET FOR SYNTHETIC MATERIALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 103 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR SYNTHETIC MATERIALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 104 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR SYNTHETIC MATERIALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 105 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR SYNTHETIC MATERIALS, BY REGION, 2021–2028 (USD MILLION)

7.3 BIOLOGICALLY DERIVED MATERIALS

7.3.1 INCREASING DEMAND FOR NATURAL MATERIALS TO DRIVE MARKET

TABLE 106 TISSUE ENGINEERING MARKET FOR BIOLOGICALLY DERIVED

MATERIALS, BY REGION, 2021–2028 (USD MILLION)

TABLE 107 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR BIOLOGICALLY DERIVED MATERIALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 108 EUROPE: TISSUE ENGINEERING MARKET FOR BIOLOGICALLY DERIVED MATERIALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 109 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR BIOLOGICALLY DERIVED MATERIALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 110 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR BIOLOGICALLY DERIVED MATERIALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 111 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR BIOLOGICALLY DERIVED MATERIALS, BY REGION, 2021–2028 (USD MILLION)

8 TISSUE ENGINEERING MARKET, BY APPLICATION

8.1 INTRODUCTION

TABLE 112 TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

8.2 ORTHOPEDIC & MUSCULOSKELETAL DISORDERS

8.2.1 INCREASING INCIDENCE OF ORTHOPEDIC AND MUSCULOSKELETAL DISORDERS TO DRIVE MARKET

TABLE 113 TISSUE ENGINEERING MARKET FOR ORTHOPEDIC & MUSCULOSKELETAL DISORDERS, BY REGION, 2021–2028 (USD MILLION)

TABLE 114 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR ORTHOPEDIC & MUSCULOSKELETAL DISORDERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 115 EUROPE: TISSUE ENGINEERING MARKET FOR ORTHOPEDIC & MUSCULOSKELETAL DISORDERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 116 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR ORTHOPEDIC & MUSCULOSKELETAL DISORDERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 117 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR ORTHOPEDIC & MUSCULOSKELETAL DISORDERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 118 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR ORTHOPEDIC & MUSCULOSKELETAL DISORDERS, BY REGION, 2021–2028 (USD MILLION)

8.3 DERMATOLOGY & WOUND CARE

8.3.1 GROWING NUMBER OF ROAD ACCIDENTS TO AID MARKET GROWTH

TABLE 119 TISSUE ENGINEERING MARKET FOR DERMATOLOGY & WOUND CARE, BY REGION, 2021–2028 (USD MILLION)

TABLE 120 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR

DERMATOLOGY & WOUND CARE, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 121 EUROPE: TISSUE ENGINEERING MARKET FOR DERMATOLOGY & WOUND CARE, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 122 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR DERMATOLOGY & WOUND CARE, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 123 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR DERMATOLOGY & WOUND CARE, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 124 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR DERMATOLOGY & WOUND CARE, BY REGION, 2021–2028 (USD MILLION)

8.4 DENTAL DISORDERS

8.4.1 INCREASING PREVALENCE OF DENTAL DISORDERS TO PROPEL MARKET

TABLE 125 TISSUE ENGINEERING MARKET FOR DENTAL DISORDERS, BY REGION, 2021–2028 (USD MILLION)

TABLE 126 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR DENTAL DISORDERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 127 EUROPE: TISSUE ENGINEERING MARKET FOR DENTAL DISORDERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 128 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR DENTAL DISORDERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 129 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR DENTAL DISORDERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 130 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR DENTAL DISORDERS, BY REGION, 2021–2028 (USD MILLION)

8.5 CARDIOVASCULAR DISEASES

8.5.1 RISING PREVALENCE OF CARDIOVASCULAR DISEASES TO DRIVE MARKET

TABLE 131 TISSUE ENGINEERING MARKET FOR CARDIOVASCULAR DISEASES, BY REGION, 2021–2028 (USD MILLION)

TABLE 132 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR CARDIOVASCULAR DISEASES, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 133 EUROPE: TISSUE ENGINEERING MARKET FOR CARDIOVASCULAR DISEASES, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 134 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR CARDIOVASCULAR DISEASES, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 135 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR CARDIOVASCULAR DISEASES, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 136 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR CARDIOVASCULAR DISEASES, BY REGION, 2021–2028 (USD MILLION)

8.6 OTHER APPLICATIONS

TABLE 137 TISSUE ENGINEERING MARKET FOR OTHER APPLICATIONS, BY REGION, 2021–2028 (USD MILLION)

TABLE 138 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 139 EUROPE: TISSUE ENGINEERING MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 140 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 141 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 142 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR OTHER APPLICATIONS, BY REGION, 2021–2028 (USD MILLION)

9 TISSUE ENGINEERING MARKET, BY END USER

9.1 INTRODUCTION

TABLE 143 TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

9.2 HOSPITALS

9.2.1 RISING ADOPTION OF REGENERATIVE MEDICINE IN DEVELOPING COUNTRIES TO DRIVE MARKET

TABLE 144 TISSUE ENGINEERING MARKET FOR HOSPITALS, BY REGION, 2021–2028 (USD MILLION)

TABLE 145 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR HOSPITALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 146 EUROPE: TISSUE ENGINEERING MARKET FOR HOSPITALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 147 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR HOSPITALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 148 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR HOSPITALS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 149 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR HOSPITALS, BY REGION, 2021–2028 (USD MILLION)

9.3 SPECIALTY CENTERS & CLINICS

9.3.1 GOVERNMENT SUPPORT AND INITIATIVES TO PROPEL MARKET

TABLE 150 TISSUE ENGINEERING MARKET FOR SPECIALTY CENTERS & CLINICS, BY REGION, 2021–2028 (USD MILLION)

TABLE 151 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR SPECIALTY CENTERS & CLINICS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 152 EUROPE: TISSUE ENGINEERING MARKET FOR SPECIALTY CENTERS & CLINICS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 153 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR SPECIALTY CENTERS & CLINICS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 154 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR SPECIALTY CENTERS & CLINICS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 155 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR SPECIALTY CENTERS & CLINICS, BY REGION, 2021–2028 (USD MILLION)

9.4 AMBULATORY SURGERY CENTERS

9.4.1 GROWING DEMAND FOR CONVENIENT AND HIGH-QUALITY CARE TO SUPPORT MARKET GROWTH

TABLE 156 TISSUE ENGINEERING MARKET FOR AMBULATORY SURGERY CENTERS, BY REGION, 2021–2028 (USD MILLION)

TABLE 157 NORTH AMERICA: TISSUE ENGINEERING MARKET FOR AMBULATORY SURGERY CENTERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 158 EUROPE: TISSUE ENGINEERING MARKET FOR AMBULATORY SURGERY CENTERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 159 ASIA PACIFIC: TISSUE ENGINEERING MARKET FOR AMBULATORY SURGERY CENTERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 160 LATIN AMERICA: TISSUE ENGINEERING MARKET FOR AMBULATORY SURGERY CENTERS, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 161 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET FOR AMBULATORY SURGERY CENTERS, BY REGION, 2021–2028 (USD MILLION)

10 TISSUE ENGINEERING MARKET, BY REGION

10.1 INTRODUCTION

TABLE 162 TISSUE ENGINEERING MARKET, BY REGION, 2021–2028 (USD MILLION)

10.2 NORTH AMERICA

FIGURE 27 NORTH AMERICA: TISSUE ENGINEERING MARKET SNAPSHOT

TABLE 163 NORTH AMERICA: TISSUE ENGINEERING MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 164 NORTH AMERICA: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 165 NORTH AMERICA: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 166 NORTH AMERICA: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 167 NORTH AMERICA: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 168 NORTH AMERICA: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 169 NORTH AMERICA: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 170 NORTH AMERICA: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.2.1 US

10.2.1.1 Increasing focus on research in biopharmaceutical field to support market growth

TABLE 171 US: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 172 US: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 173 US: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 174 US: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 175 US: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 176 US: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 177 US: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.2.2 CANADA

10.2.2.1 Rising investments in R&D to propel market

TABLE 178 CANADA: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 179 CANADA: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 180 CANADA: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 181 CANADA: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 182 CANADA: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 183 CANADA: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 184 CANADA: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.2.3 RECESSION IMPACT ON NORTH AMERICAN TISSUE ENGINEERING MARKET

10.3 EUROPE

TABLE 185 EUROPE: TISSUE ENGINEERING MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 186 EUROPE: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 187 EUROPE: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 188 EUROPE: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 189 EUROPE: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 190 EUROPE: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 191 EUROPE: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 192 EUROPE: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.3.1 UK

10.3.1.1 Increasing adoption of advanced technologies to drive market

TABLE 193 UK: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 194 UK: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 195 UK: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 196 UK: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 197 UK: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 198 UK: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 199 UK: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.3.2 GERMANY

10.3.2.1 Rising strategic alliances between industry leaders to support market growth

TABLE 200 GERMANY: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 201 GERMANY: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 202 GERMANY: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 203 GERMANY: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 204 GERMANY: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 205 GERMANY: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 206 GERMANY: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.3.3 FRANCE

10.3.3.1 Growing focus on R&D activities related to stem cell products to drive market

TABLE 207 FRANCE: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 208 FRANCE: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 209 FRANCE: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 210 FRANCE: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 211 FRANCE: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 212 FRANCE: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 213 FRANCE: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.3.4 ITALY

10.3.4.1 Growing focus on cell biology research to propel market

TABLE 214 ITALY: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 215 ITALY: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 216 ITALY: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 217 ITALY: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028

(USD MILLION)

TABLE 218 ITALY: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028

(USD MILLION)

TABLE 219 ITALY: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028

(USD MILLION)

TABLE 220 ITALY: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028

(USD MILLION)

10.3.5 SPAIN

10.3.5.1 Growing R&D activities and investments across biopharmaceutical industry to support market growth

TABLE 221 SPAIN: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028

(USD MILLION)

TABLE 222 SPAIN: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 223 SPAIN: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 224 SPAIN: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 225 SPAIN: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 226 SPAIN: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 227 SPAIN: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.3.6 REST OF EUROPE

TABLE 228 REST OF EUROPE: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 229 REST OF EUROPE: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 230 REST OF EUROPE: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 231 REST OF EUROPE: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 232 REST OF EUROPE: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 233 REST OF EUROPE: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 234 REST OF EUROPE: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.3.7 RECESSION IMPACT ON EUROPEAN TISSUE ENGINEERING MARKET

10.4 ASIA PACIFIC

FIGURE 28 ASIA PACIFIC: TISSUE ENGINEERING MARKET SNAPSHOT

TABLE 235 ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 236 ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 237 ASIA PACIFIC: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 238 ASIA PACIFIC: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 239 ASIA PACIFIC: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 240 ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 241 ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 242 ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.4.1 JAPAN

10.4.1.1 Growing support by regulatory bodies for development of advanced solutions to drive market

TABLE 243 JAPAN: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 244 JAPAN: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 245 JAPAN: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 246 JAPAN: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 247 JAPAN: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 248 JAPAN: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 249 JAPAN: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.4.2 CHINA

10.4.2.1 Increasing demand for innovative treatment solutions to propel market

TABLE 250 CHINA: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028

(USD MILLION)

TABLE 251 CHINA: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 252 CHINA: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 253 CHINA: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 254 CHINA: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 255 CHINA: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 256 CHINA: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.4.3 INDIA

10.4.3.1 Growing demand for advanced treatment solutions to support market growth

TABLE 257 INDIA: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 258 INDIA: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 259 INDIA: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 260 INDIA: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 261 INDIA: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 262 INDIA: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 263 INDIA: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.4.4 SOUTH KOREA

10.4.4.1 Strong government regulations related to regenerative medicine to drive market

TABLE 264 SOUTH KOREA: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 265 SOUTH KOREA: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 266 SOUTH KOREA: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 267 SOUTH KOREA: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE,

2021–2028 (USD MILLION)

TABLE 268 SOUTH KOREA: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 269 SOUTH KOREA: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 270 SOUTH KOREA: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.4.5 REST OF ASIA PACIFIC

TABLE 271 REST OF ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 272 REST OF ASIA PACIFIC: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 273 REST OF ASIA PACIFIC: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 274 REST OF ASIA PACIFIC: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 275 REST OF ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 276 REST OF ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 277 REST OF ASIA PACIFIC: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.4.6 RECESSION IMPACT ON ASIA PACIFIC TISSUE ENGINEERING MARKET

10.5 LATIN AMERICA

TABLE 278 LATIN AMERICA: TISSUE ENGINEERING MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

TABLE 279 LATIN AMERICA: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 280 LATIN AMERICA: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 281 LATIN AMERICA: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 282 LATIN AMERICA: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 283 LATIN AMERICA: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 284 LATIN AMERICA: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 285 LATIN AMERICA: TISSUE ENGINEERING MARKET, BY END USER,

2021–2028 (USD MILLION)

10.5.1 BRAZIL

10.5.1.1 Increase in pharmaceutical R&D to support market growth

TABLE 286 BRAZIL: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 287 BRAZIL: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 288 BRAZIL: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 289 BRAZIL: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 290 BRAZIL: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 291 BRAZIL: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 292 BRAZIL: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.5.2 MEXICO

10.5.2.1 Increased demand for regenerative therapies to propel market

TABLE 293 MEXICO: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 294 MEXICO: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 295 MEXICO: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 296 MEXICO: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 297 MEXICO: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 298 MEXICO: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 299 MEXICO: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.5.3 REST OF LATIN AMERICA

TABLE 300 REST OF LATIN AMERICA: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 301 REST OF LATIN AMERICA: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 302 REST OF LATIN AMERICA: BIOLOGICAL SCAFFOLDS MARKET, BY

TYPE, 2021–2028 (USD MILLION)

TABLE 303 REST OF LATIN AMERICA: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 304 REST OF LATIN AMERICA: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 305 REST OF LATIN AMERICA: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 306 REST OF LATIN AMERICA: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.5.4 RECESSION IMPACT ON LATIN AMERICAN TISSUE ENGINEERING MARKET

10.6 MIDDLE EAST & AFRICA

TABLE 307 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET, BY REGION, 2021–2028 (USD MILLION)

TABLE 308 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 309 MIDDLE EAST & AFRICA: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 310 MIDDLE EAST & AFRICA: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 311 MIDDLE EAST & AFRICA: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 312 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 313 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 314 MIDDLE EAST & AFRICA: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.6.1 MIDDLE EAST

10.6.1.1 Increased government investments in biomedical research to drive market

TABLE 315 MIDDLE EAST: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 316 MIDDLE EAST: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 317 MIDDLE EAST: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 318 MIDDLE EAST: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 319 MIDDLE EAST: TISSUE ENGINEERING MARKET, BY MATERIAL,

2021–2028 (USD MILLION)

TABLE 320 MIDDLE EAST: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 321 MIDDLE EAST: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.6.2 AFRICA

10.6.2.1 Need for advanced regenerative medicine to support market growth

TABLE 322 AFRICA: TISSUE ENGINEERING MARKET, BY PRODUCT, 2021–2028 (USD MILLION)

TABLE 323 AFRICA: TISSUE ENGINEERING SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 324 AFRICA: BIOLOGICAL SCAFFOLDS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 325 AFRICA: TISSUE ENGINEERING GRAFTS MARKET, BY TYPE, 2021–2028 (USD MILLION)

TABLE 326 AFRICA: TISSUE ENGINEERING MARKET, BY MATERIAL, 2021–2028 (USD MILLION)

TABLE 327 AFRICA: TISSUE ENGINEERING MARKET, BY APPLICATION, 2021–2028 (USD MILLION)

TABLE 328 AFRICA: TISSUE ENGINEERING MARKET, BY END USER, 2021–2028 (USD MILLION)

10.6.3 RECESSION IMPACT ON MIDDLE EAST & AFRICAN TISSUE ENGINEERING MARKET

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 STRATEGIES ADOPTED BY KEY PLAYERS

FIGURE 29 TISSUE ENGINEERING MARKET: STRATEGIES ADOPTED BY KEY PLAYERS

11.3 REVENUE SHARE ANALYSIS OF TOP MARKET PLAYERS

FIGURE 30 REVENUE SHARE ANALYSIS OF TOP PLAYERS IN TISSUE ENGINEERING MARKET, 2018–2022 (USD MILLION)

11.4 MARKET SHARE ANALYSIS

FIGURE 31 TISSUE ENGINEERING MARKET SHARE, BY KEY PLAYER, 2022

TABLE 329 TISSUE ENGINEERING MARKET: DEGREE OF COMPETITION

11.5 COMPANY EVALUATION MATRIX

11.5.1 STARS

11.5.2 EMERGING LEADERS

11.5.3 PERVASIVE PLAYERS

11.5.4 PARTICIPANTS

FIGURE 32 TISSUE ENGINEERING MARKET: COMPANY EVALUATION MATRIX, 2022

11.5.5 COMPANY FOOTPRINT

TABLE 330 OVERALL COMPANY FOOTPRINT

TABLE 331 PRODUCT FOOTPRINT

TABLE 332 REGIONAL FOOTPRINT

11.6 STARTUP/SME EVALUATION MATRIX

11.6.1 PROGRESSIVE COMPANIES

11.6.2 RESPONSIVE COMPANIES

11.6.3 DYNAMIC COMPANIES

11.6.4 STARTING BLOCKS

FIGURE 33 TISSUE ENGINEERING MARKET: STARTUP/SME EVALUATION MATRIX (2022)

11.7 COMPETITIVE BENCHMARKING

TABLE 333 TISSUE ENGINEERING MARKET: DETAILED LIST OF KEY STARTUPS/SMES

TABLE 334 TISSUE ENGINEERING MARKET: PRODUCT & REGIONAL FOOTPRINT OF KEY STARTUPS/SMES

11.8 COMPETITIVE SCENARIO AND TRENDS

TABLE 335 TISSUE ENGINEERING MARKET: KEY PRODUCT LAUNCHES, JANUARY 2020?NOVEMBER 2023

TABLE 336 TISSUE ENGINEERING MARKET: KEY DEALS, JANUARY 2020?NOVEMBER 2023

TABLE 337 TISSUE ENGINEERING MARKET: OTHER DEVELOPMENTS, JANUARY 2020?NOVEMBER 2023

12 COMPANY PROFILES

12.1 MAJOR PLAYERS

(Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats)*

12.1.1 ORGANOGENESIS INC.

TABLE 338 ORGANOGENESIS INC.: BUSINESS OVERVIEW

FIGURE 34 ORGANOGENESIS INC.: COMPANY SNAPSHOT (2022)

12.1.2 INTEGRA LIFESCIENCES

TABLE 339 INTEGRA LIFESCIENCES: BUSINESS OVERVIEW

FIGURE 35 INTEGRA LIFESCIENCES: COMPANY SNAPSHOT (2022)

12.1.3 ABBVIE INC.

TABLE 340 ABBVIE INC.: BUSINESS OVERVIEW

FIGURE 36 ABBVIE INC.: COMPANY SNAPSHOT (2022)

12.1.4 MIMEDX GROUP, INC.

TABLE 341 MIMEDX GROUP, INC.: BUSINESS OVERVIEW

FIGURE 37 MIMEDX GROUP, INC.: COMPANY SNAPSHOT (2022)

12.1.5 JOHNSON & JOHNSON SERVICES, INC.

TABLE 342 JOHNSON & JOHNSON SERVICES, INC.: BUSINESS OVERVIEW

FIGURE 38 JOHNSON & JOHNSON SERVICES, INC.: COMPANY SNAPSHOT (2022)

12.1.6 SMITH & NEPHEW PLC

TABLE 343 SMITH & NEPHEW PLC: BUSINESS OVERVIEW

FIGURE 39 SMITH & NEPHEW PLC: COMPANY SNAPSHOT (2022)

12.1.7 BAXTER

TABLE 344 BAXTER: BUSINESS OVERVIEW

FIGURE 40 BAXTER: COMPANY SNAPSHOT (2022)

12.1.8 BD

TABLE 345 BD: BUSINESS OVERVIEW

FIGURE 41 BD: COMPANY SNAPSHOT (2023)

12.1.9 B. BRAUN SE

TABLE 346 B. BRAUN SE: BUSINESS OVERVIEW

FIGURE 42 B. BRAUN SE: COMPANY SNAPSHOT (2022)

12.1.10 TEIJIN LIMITED

TABLE 347 TEIJIN LIMITED: BUSINESS OVERVIEW

FIGURE 43 TEIJIN LIMITED: COMPANY SNAPSHOT (2022)

12.1.11 INSTITUT STRAUMANN AG

TABLE 348 INSTITUT STRAUMANN AG: BUSINESS OVERVIEW

FIGURE 44 INSTITUT STRAUMANN AG: COMPANY SNAPSHOT (2022)

12.1.12 MEDTRONIC

TABLE 349 MEDTRONIC: BUSINESS OVERVIEW

FIGURE 45 MEDTRONIC: COMPANY SNAPSHOT (2023)

12.1.13 NUVASIVE, INC.

TABLE 350 NUVASIVE, INC.: BUSINESS OVERVIEW

FIGURE 46 NUVASIVE, INC.: COMPANY SNAPSHOT (2022)

12.1.14 STRYKER

TABLE 351 STRYKER: BUSINESS OVERVIEW

FIGURE 47 STRYKER: COMPANY SNAPSHOT (2022)

12.1.15 TERUMO CORPORATION

TABLE 352 TERUMO CORPORATION: BUSINESS OVERVIEW

FIGURE 48 TERUMO CORPORATION: COMPANY SNAPSHOT (2022)

12.1.16 W. L. GORE & ASSOCIATES, INC.

TABLE 353 W. L. GORE & ASSOCIATES, INC.: BUSINESS OVERVIEW

12.1.17 ZIMMER BIOMET

TABLE 354 ZIMMER BIOMET: BUSINESS OVERVIEW

FIGURE 49 ZIMMER BIOMET: COMPANY SNAPSHOT (2022)

12.2 OTHER PLAYERS

12.2.1 BIOTISSUE

TABLE 355 BIOTISSUE: COMPANY OVERVIEW

12.2.2 COLLPLANT BIOTECHNOLOGIES LTD.

TABLE 356 COLLPLANT BIOTECHNOLOGIES LTD.: COMPANY OVERVIEW

12.2.3 SUMITOMO PHARMA CO., LTD.

TABLE 357 SUMITOMO PHARMA CO., LTD.: COMPANY OVERVIEW

12.2.4 MATRICEL GMBH

TABLE 358 MATRICEL GMBH: COMPANY OVERVIEW

12.2.5 MALLINCKRODT

TABLE 359 MALLINCKRODT: COMPANY OVERVIEW

12.2.6 REGROW BIOSCIENCES PVT. LTD.

TABLE 360 REGROW BIOSCIENCES PVT. LTD.: COMPANY OVERVIEW

12.2.7 VERICEL CORPORATION

TABLE 361 VERICEL CORPORATION: COMPANY OVERVIEW

12.2.8 TECNOSS S.R.L.

TABLE 362 TECNOSS S.R.L.: COMPANY OVERVIEW

12.2.9 TEGOSCIENCE

TABLE 363 TEGOSCIENCE: COMPANY OVERVIEW

12.2.10 TISSUE REGENIX

TABLE 364 TISSUE REGENIX: COMPANY OVERVIEW

Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, MnM view (Key strengths/Right to win, Strategic choices made, Weakness/competitive threats) might not be captured in case of unlisted companies.

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGESTORE: MARKETSDANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

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