Global Medical Device Coating Market Information: by Type (Antimicrobial, Drug-Eluting, Hydrophilic, and Anti Therombogenic), by Application (Cardiovascular, Orthopedics, Neurology, Gynecology, and Others), and by Region (Asia Pacific, Europe, North America, Latin America, and Middle East & Africa) - Forecast till 2023

Market Synopsis of Global Medical Device Coating Market:

Coating is any type of covering applied on the substrate or an object for either to serve a protective or decorative purpose. The medical devices are susceptible to an attack of various germs such as bacteria, viruses, and other pathogens apart from the physical damages. This necessitates the application of a protective coating on the surface of numerous diagnostic and surgical medical devices such as stent, cardiac assist devices and needles, among others.

The Global Medical Device Coating Market is expected to grow at a CAGR of 5.16% to reach USD 10,109.7 million by 2023. The primary factors responsible for this growth includes the increasing geriatric population, growing demand for MISI (Minimal Invasive Surgical Instrument), and continuous innovation in the medical devices.

By type, the Medical Device Coating is categorized into antimicrobial, drug-eluting, and anti thrombogenic medical device coatings. Among these types, the antimicrobial Medical Device Coating is dominating the market with the largest share and it is estimated to grow at a considerable CAGR during the forecast period. This is attributed to the need to tackle bacterial colonization on the orthopedic implant surfaces. In coming years, the hydrophilic Medical Device Coating is poised to dominate the market by growing at a considerable CAGR of 5.81%.

Depending upon application, the Global Medical Device Coating Market is categorized into cardiovascular, orthopedics, neurology, gynecology, and others. The cardiovascular application is the leading segment, which is growing rapidly to reach USD 4,320.3 million by 2023. The dominance of this segment is attributed to the greater penetration of medical devices in cardiac surgeries and pacemakers. The cardiology segment is followed by orthopedic and neurology segments. Among them, the orthopedics segment is projected to witness exponential growth at the highest CAGR due to increasing aging population and growing awareness among the consumers.

Global Medical Device Coating Market Share, by Application, 2016 (%):
Regional Analysis:

Geographically, the Global Medical Device Coating Market is segmented into five key regions; North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa. North America accounts for the largest market share as of 2016 and is projected to grow at a considerable CAGR during the forecast period. North America is dominating the global market due to availability of significant number of medical devices manufacturers in this region. North America region is followed by Europe, which accounted for the second largest market share and it is estimated to reach USD 2,763.0 million by the end of 2023. Germany accounted for the highest market share in Europe and is expected to remain dominant throughout the forecast period owing to higher penetration of end user industries in the country.

Asia Pacific is also a substantial region in the Global Medical Device Coating Market, which is estimated to grow at the highest CAGR of 6.39% during the review period. China dominates the Asia Pacific market in terms of both value and volume. Asia Pacific is followed by Latin America and the Middle East & Africa, which estimated to grow at a moderate rate during the forecast period.

Segmentation:

The Global Medical Device Coating Market is segmented on the basis of type, application, and region. On the basis of type, the market is classified into antimicrobial, drug-eluting, and anti thrombogenic. By application, the market is divided into cardiovascular, orthopedics, neurology gynecology, and others. Geographically, the Global Medical Device Coating Market is segmented into North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa.

Key Players:

The prominent players in the Global Medical Device Coating Market are Surmodics, Inc. (U.S.), Materion Corporation (U.S.), Hydromer Inc (U.S.), Sono-Tek Corp (U.S.), Speciality Coating Systems Inc (U.S.), Royal DSM N.V (The Netherlands), Precision Coating Company, Inc (U.S.), and Biocoat Incorporated (U.S.).

Key Findings:

The Global Medical Device Coatings Market is projected to reach USD 10,109.7 million by 2023 at a CAGR of 5.16% during review period 2017-2023. North America accounted for largest share due to significant existence of medical devices manufacturers in the region. Asia Pacific is the fastest growing region in the Global Medical Device Coating Market, which is growing at a CAGR of 6.39%.

The antimicrobial coatings segment is estimated to dominate the global market owing to existing need to tackle bacterial colonization on the orthopedic implants surface. The hydrophilic segment is projected to witness the highest CAGR of 5.81% due to growing awareness regarding specific need to increase lubricating properties of the devices among the medical device manufacturers.

Geographic Analysis:

The Global Medical Device Coating Market is projected to grow at a CAGR of 5.16% during the review period 2017-2023. North America accounted for the largest share due to growth of major end use industries in the region. The cardiovascular segment, as an application, is likely to dominate in the global medical device coating market during review period.
The report covers brief analysis of geographical region includes

**World**
- Asia Pacific
  - China
  - India
  - Japan
  - Rest of Asia Pacific

- Europe
  - Germany
  - UK
  - Russia
  - Italy
  - Spain
  - Switzerland
  - France
  - Rest of Europe

- North America
  - US
  - Canada

- Middle East & Africa
  - Turkey
  - GCC
  - North Africa
  - Rest of Middle East and Africa

- Latin America
  - Brazil
  - Argentina
  - Rest of Latin America

**Intended Audience**
- Manufacturers and Distributors of Medical Device Coatings
- Suppliers and Traders
- Government, Associations and Industrial Bodies
- Investors and Trade experts
- Consulting in Chemical Experts
Infographic Summary:

Contents:

1 Executive Summary
2 Scope of The Report
  2.1 Market Definition
  2.2 Scope of The Study
    2.2.1 Research Objectives
    2.2.2 Assumptions & Limitations
  2.3 Markets Structure
3 Market Research Methodology
  3.1 Research Process
  3.2 Secondary Research
  3.3 Primary Research
  3.4 Forecast Model
4 Market Landscape

GLOBAL MEDICAL DEVICE COATINGS MARKET

The global medical device coatings market was valued at USD 7.9 billion in 2018 with a CAGR of around 4.8% during the forecast period 2019–2025.

BY TYPE
- Antimicrobial
- Drug Eluting Coating
- Hydrophilic
- Anti-Thrombogenic Coatings

BY APPLICATION
- Cardiovascular
- Orthopedics
- Gynecology
- Neurology
- Others

Medical Device Coatings Market Share, by Region, 2018

DRIVERS:
- Increasing geriatric Population driving the market demand
- Growing demand of Minimally Invasive Surgical (MIS) Instruments fuelling the market growth
- Technological innovation in medical devices continually boosting the global medical devices coatings market

RESTRAINT:
- Increasing regulatory standard by governments along with the increasing technological complexity is impeding the market growth

KEY PLAYERS:
- Surmodics, Inc
- Materion Corporation
- Hydromer Inc.
- Sono-Tek Corp
- Speciality Coating Systems Inc
- Royal DSM N.V
- Precision Coating Company, Inc.
- BioCoat Incorporated
- Covalon Technologies Ltd.
- Microban International

NORTH AMERICA
EUROPE
ASIA-PACIFIC
LATIN AMERICA
MIDDLE EAST AND AFRICA

NORTH AMERICA 27.8%
4.1 Five Forces Analysis
4.1.1 Threat of New Entrants
4.1.2 Bargaining power of buyers
4.1.3 Threat of substitutes
4.1.4 Segment rivalry
4.2 Value Chain/Supply Chain of Global Medical Device Coatings Market

5 Industry Overview of Global Medical Device Coatings Market
5.1 Introduction
5.2 Growth Drivers
5.3 Impact analysis
5.4 Market Challenges
5.5 Impact analysis

6 Market Trends
6.1 Introduction
6.2 Growth Trends
6.3 Impact analysis

7. Global Medical Device Coatings Market by Region

8. Global Medical Device Coatings Market by Type (Hydrophilic, Antimicrobial, Drug Eluting, and Anti-Thrombogenic)

9. Global Medical Device Coatings Market by Applications (Orthopedics, Neurology, Gynecology, Cardiovascular and Others)

10. Competitive landscape

11. Company Profiles
11.1 Hydromer Inc
11.1.1 Overview
11.1.2 Financials
11.1.3 Portfolio
11.1.4 Business Strategies
11.1.5 Recent Development
11.2 Materion Corp
11.2.1 Overview
11.2.2 Financials
11.2.3 Portfolio
11.2.4 Business Strategies
11.2.5 Recent Development
11.3 Surmodics Inc
11.3.1 Overview
11.3.2 Financials
11.3.3 Portfolio
11.3.4 Business Strategies
11.3.5 Recent Development
11.4 Sono-Tek Corp
11.4.1 Overview
11.4.2 Financials
11.4.3 Portfolio
11.4.4 Business Strategies
11.4.5 Recent Development
11.5 Abbott Laboratories
11.5.1 Overview
11.5.2 Financials
11.5.3 Portfolio
11.5.4 Business Strategies
11.5.5 Recent Development
11.6 Royal DSM N.V
11.6.1 Overview
11.6.2 Financials
11.6.3 Portfolio
11.6.4 Business Strategies
11.6.5 Recent Development
11.7 E. I. Du Pont De Nemours and Company
11.7.1 Overview
11.7.2 Financials
11.7.3 Portfolio
11.7.4 Business Strategies
11.7.5 Recent Development
11.8 Specialty Coating Systems Inc
11.8.1 Overview
11.8.2 Financials
11.8.3 Portfolio
11.8.4 Business Strategies
11.8.5 Recent Development
11.9 Parlex Corp
11.9.1 Overview
11.9.2 Financials
11.9.3 Portfolio
11.9.4 Business Strategies
11.9.5 Recent Development
11.10 Kane Biotech Inc
11.10.1 Overview

11.10.2 Financials

11.10.3 Portfolio

11.10.4 Recent Development

12 Conclusion

LIST OF TABLES

Table 1 World Population by Major Regions (2015 To 2030) (Million)

Table 2 Global Medical Device Coatings Market: By Region, 2014-2022 (USD Million)

Table 3 North America Medical Device Coatings Market: By Country, 2014-2022 (USD Million)

Table 4 Europe Medical Device Coatings Market: By Country, 2014-2022 (USD Million)

Table 5 Asia-Pacific Medical Device Coatings Market: By Country, 2014-2022 (USD Million)

Table 6 RoW Medical Device Coatings Market: By Country, 2014-2022 (USD Million)

Table 7 Global Medical Device Coatings for Type Market: By Regions, 2014-2022 (USD Million)

Table 8 North America Medical Device Coatings for Type Market: By Country, 2014-2022 (USD Million)

Table 9 Europe Medical Device Coatings for Type Market: By Country, 2014-2022 (USD Million)

Table 10 Asia-Pacific Medical Device Coatings for Type Market: By Country, 2014-2022 (USD Million)

Table 11 RoW Medical Device Coatings for Type Market: By Country, 2014-2022 (USD Million)

Table 12 North America Medical Device Coatings for Applications Market: By Country, 2014-2022 (USD Million)

Table 13 Europe Medical Device Coatings for Applications Market: By Country, 2014-2022 (USD Million)

Table 14 Asia-Pacific Medical Device Coatings for Applications Market: By Country, 2014-2022 (USD Million)

Table 15 RoW Medical Device Coatings for Applications Market: By Country, 2014-2022 (USD Million)

Table 16 Global Medical Device Coatings Applications Market: By Region, 2014-2022 (USD Million)

Table 17 North America Medical Device Coatings for Applications Market: By Country, 2014-2022 (USD Million)

Table 18 Europe Medical Device Coatings for Applications Market: By Country, 2014-2022 (USD Million)

Table 19 Asia-Pacific Medical Device Coatings for Applications Market: By Country, 2014-2022 (USD Million)

Table 20 RoW Medical Device Coatings for Applications Market: By Country, 2014-2022 (USD Million)

LIST OF FIGURES

FIGURE 1 Global Medical Device Coatings market segmentation

FIGURE 2 Forecast Methodology

FIGURE 3 Five Forces Analysis of Global Medical Device Coatings Market

FIGURE 4 Value Chain of Global Medical Device Coatings Market

FIGURE 5 Share of Global Medical Device Coatings Market in 2014, by country (in %)

FIGURE 6 Global Medical Device Coatings Market, 2015-2022, (USD billion)

FIGURE 7 Sub-segments of Applications

FIGURE 8 Global Medical Device Coatings Market size by Applications, 2015

FIGURE 9 Share of Global Medical Device Coatings Market by Applications, 2012 to 2022

FIGURE 10 Global Medical Device Coatings Market size by Type, 2015

FIGURE 11 Share of Global Medical Device Coatings Market by Type, 2012 to 2022
Table 21  Global Type Market: By Region, 2014-2022 (USD Million)
Table 22  Global Applications Market: By Region, 2014-2022 (USD Million)
Table 23  North America Medical Device Coatings Market, By Country (USD Million)
Table 24  North America Medical Device Coatings Market, By Type (Million USD)
Table 25  North America Medical Device Coatings Market, By Applications (Million USD)
Table 26  Europe: Medical Device Coatings Market, By Country (USD Million)
Table 27  Europe: Medical Device Coatings Market, By Type (USD Million)
Table 28  Europe: Medical Device Coatings Market, By Applications (USD Million)
Table 29  Asia-Pacific: Medical Device Coatings Market, By Country (USD Million)
Table 30  Asia-Pacific: Medical Device Coatings Market, By Type (USD Million)
Table 31  Asia-Pacific: Medical Device Coatings Market, By Applications (USD Million)
Table 32  RoW: Medical Device Coatings Market, By Country (USD Million)
Table 33  RoW: Medical Device Coatings Market, By Type (USD Million)
Table 34  RoW: Medical Device Coatings Market, By Applications (USD Million)