

# Global Antimicrobial Medical Textiles Market Size Study by Product (Non-woven, Woven, Knitted), by Application (Healthcare and Hygiene Products, Non-implantable Goods, Implantable Goods), and Regional Forecasts 2022-2032

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## Abstracts

Global Antimicrobial Medical Textiles Market is valued at approximately USD 3.71 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.78% over the forecast period 2024-2032. Antimicrobial medical textiles are fabrics treated with substances that inhibit the growth of microorganisms. These textiles are essential in healthcare settings, providing an extra layer of protection by reducing the spread of infections. Incorporated into products like medical gowns, scrubs, bed linens, and surgical drapes, these textiles ensure both patient and healthcare worker safety. The market's expansion is driven by several key factors, including the rising global expenditure on healthcare, the increasing need for hygiene products, and the growing elderly demographic. The heightened focus on geriatric care and the demand for products tailored to the elderly's specific needs further stimulate market growth. Additionally, the emphasis on raw materials and sustainable production practices, along with advancements in nanoscience and metal nanoparticle synthesis, leads to innovative synthetic textiles with enhanced antimicrobial properties.

The increasing healthcare spending worldwide is notably driving market growth. Global healthcare spending, influenced by an aging population, the growing popularity of medical tourism, and health awareness, is set to propel the demand for medical textiles, including antimicrobial medical textiles. Significant growth in healthcare expenditures in key countries like India, the United States, China, the United Kingdom, and Brazil is expected to boost the market during the forecast period. The demand for specialized medical products, such as medical mattresses, will also increase, especially in

orthopedic and rehabilitative settings.

One of the significant trends influencing market growth is the demand for medical textiles that can withstand multiple washings and sterilizations while maintaining their antimicrobial properties. This is particularly crucial in hospital environments where textiles are exposed to various pathogens. The use of reusable antimicrobial medical textiles aligns with the healthcare industry's move towards more sustainable practices. Healthcare facilities prioritize infection control measures, driving the demand for durable antimicrobial textiles that withstand frequent cleaning processes.

However, the market faces challenges such as inefficient recycling techniques. The heterogeneous fibers used in antimicrobial medical textiles are difficult to recycle, and the process is costly and often produces toxic waste. Additionally, using recycled medical textiles without proper sterilization increases the risk of transmitting serious diseases. These factors present significant challenges to market growth during the forecast period.

The key regions considered for the global Antimicrobial Medical Textiles Market study include Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is a dominating region in the Antimicrobial Medical Textiles Market in terms of revenue. The market growth in the region is being attributed to factors including North America is the largest geographic segment in the global market, driven by the increasing number of surgeries and rising medical expenditures. The United States and Canada have world-class healthcare facilities, with the US market being the largest globally. Major healthcare textile manufacturers in the US focus on improving technology for medical applications and expanding exports to emerging markets. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period fueled by rapid urbanization, increasing healthcare expenditure, rising prevalence of infectious diseases, and growing awareness about hygiene and infection control. These factors, coupled with a large and growing population, are driving demand for antimicrobial textiles to prevent the spread of infections in healthcare settings.

Major market players included in this report are:

Aditya Birla Management Corp. Pvt. Ltd.

Baltex

BASF SE

BioCote Ltd.

Cardinal Health Inc.

Dow Chemical Co.

Herculite Inc.

Indorama Ventures Public Co. Ltd.

Integra Lifesciences Corp.

KOB GmbH

Milliken and Co.

Noble Biomaterials Inc.

PurThread Technologies Inc.

Sanitized AG

Sciessent LLC

The detailed segments and sub-segment of the market are explained below:

By Product:

Non-woven

Woven

Knitted

By Application:

Healthcare and Hygiene Products

Non-implantable Goods

Implantable Goods

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL ANTIMICROBIAL MEDICAL TEXTILES MARKET EXECUTIVE SUMMARY**

- 1.1. Global Antimicrobial Medical Textiles Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Product
  - 1.3.2. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL ANTIMICROBIAL MEDICAL TEXTILES MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory Frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL ANTIMICROBIAL MEDICAL TEXTILES MARKET DYNAMICS**

- 3.1. Market Drivers
  - 3.1.1. Increasing Healthcare Spending
  - 3.1.2. Rising Demand for Hygiene Products
  - 3.1.3. Growing Elderly Population
- 3.2. Market Challenges
  - 3.2.1. Inefficient Recycling Techniques
  - 3.2.2. Costly Production Processes
- 3.3. Market Opportunities
  - 3.3.1. Advancements in Nanoscience
  - 3.3.2. Sustainable Production Practices

## **CHAPTER 4. GLOBAL ANTIMICROBIAL MEDICAL TEXTILES MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry
  - 4.1.6. Futuristic Approach to Porter's 5 Force Model
  - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
  - 4.2.5. Environmental
  - 4.2.6. Legal
- 4.3. Top Investment Opportunity
- 4.4. Top Winning Strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL ANTIMICROBIAL MEDICAL TEXTILES MARKET SIZE & FORECASTS BY PRODUCT 2022-2032**

- 5.1. Segment Dashboard



## 5.2. Global Antimicrobial Medical Textiles Market: Product Revenue Trend Analysis, 2022 & 2032 (USD Billion)

5.2.1. Non-woven

5.2.2. Woven

5.2.3. Knitted

## **CHAPTER 6. GLOBAL ANTIMICROBIAL MEDICAL TEXTILES MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

### 6.1. Segment Dashboard

## 6.2. Global Antimicrobial Medical Textiles Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. Healthcare and Hygiene Products

6.2.2. Non-implantable Goods

6.2.3. Implantable Goods

## **CHAPTER 7. GLOBAL ANTIMICROBIAL MEDICAL TEXTILES MARKET SIZE & FORECASTS BY REGION 2022-2032**

### 7.1. North America Antimicrobial Medical Textiles Market

7.1.1. U.S. Antimicrobial Medical Textiles Market

7.1.1.1. Product Breakdown Size & Forecasts, 2022-2032

7.1.1.2. Application Breakdown Size & Forecasts, 2022-2032

7.1.2. Canada Antimicrobial Medical Textiles Market

### 7.2. Europe Antimicrobial Medical Textiles Market

7.2.1. U.K. Antimicrobial Medical Textiles Market

7.2.2. Germany Antimicrobial Medical Textiles Market

7.2.3. France Antimicrobial Medical Textiles Market

7.2.4. Spain Antimicrobial Medical Textiles Market

7.2.5. Italy Antimicrobial Medical Textiles Market

7.2.6. Rest of Europe Antimicrobial Medical Textiles Market

### 7.3. Asia-Pacific Antimicrobial Medical Textiles Market

7.3.1. China Antimicrobial Medical Textiles Market

7.3.2. India Antimicrobial Medical Textiles Market

7.3.3. Japan Antimicrobial Medical Textiles Market

7.3.4. Australia Antimicrobial Medical Textiles Market

7.3.5. South Korea Antimicrobial Medical Textiles Market

7.3.6. Rest of Asia Pacific Antimicrobial Medical Textiles Market

### 7.4. Latin America Antimicrobial Medical Textiles Market

- 7.4.1. Brazil Antimicrobial Medical Textiles Market
- 7.4.2. Mexico Antimicrobial Medical Textiles Market
- 7.4.3. Rest of Latin America Antimicrobial Medical Textiles Market
- 7.5. Middle East & Africa Antimicrobial Medical Textiles Market
  - 7.5.1. Saudi Arabia Antimicrobial Medical Textiles Market
  - 7.5.2. South Africa Antimicrobial Medical Textiles Market
  - 7.5.3. Rest of Middle East & Africa Antimicrobial Medical Textiles Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Key Company SWOT Analysis
  - 8.1.1. Company
  - 8.1.2. Company
  - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
  - 8.3.1. Aditya Birla Management Corp. Pvt. Ltd.
    - 8.3.1.1. Key Information
    - 8.3.1.2. Overview
    - 8.3.1.3. Financial (Subject to Data Availability)
    - 8.3.1.4. Product Summary
    - 8.3.1.5. Market Strategies
  - 8.3.2. Baltex
  - 8.3.3. BASF SE
  - 8.3.4. BioCote Ltd.
  - 8.3.5. Cardinal Health Inc.
  - 8.3.6. Dow Chemical Co.
  - 8.3.7. Herculite Inc.
  - 8.3.8. Indorama Ventures Public Co. Ltd.
  - 8.3.9. Integra Lifesciences Corp.
  - 8.3.10. KOB GmbH
  - 8.3.11. Milliken and Co.
  - 8.3.12. Noble Biomaterials Inc.
  - 8.3.13. PurThread Technologies Inc.
  - 8.3.14. Sanitized AG
  - 8.3.15. Sciessent LLC

## **CHAPTER 9. RESEARCH PROCESS**

## 9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

## 9.2. Research Attributes

## List Of Tables

### LIST OF TABLES

- TABLE 1. Global Antimicrobial Medical Textiles Market, Report Scope
- TABLE 2. Global Antimicrobial Medical Textiles Market Estimates & Forecasts by Region 2022-2032 (USD Billion)
- TABLE 3. Global Antimicrobial Medical Textiles Market Estimates & Forecasts by Product 2022-2032 (USD Billion)
- TABLE 4. Global Antimicrobial Medical Textiles Market Estimates & Forecasts by Application 2022-2032 (USD Billion)
- TABLE 5. Global Antimicrobial Medical Textiles Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 6. Global Antimicrobial Medical Textiles Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 7. Global Antimicrobial Medical Textiles Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 8. Global Antimicrobial Medical Textiles Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 9. Global Antimicrobial Medical Textiles Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 10. Global Antimicrobial Medical Textiles Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 11. Global Antimicrobial Medical Textiles Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 12. Global Antimicrobial Medical Textiles Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 13. Global Antimicrobial Medical Textiles Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 14. Global Antimicrobial Medical Textiles Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 15. U.S. Antimicrobial Medical Textiles Market Estimates & Forecasts, 2022-2032 (USD Billion)
- TABLE 16. U.S. Antimicrobial Medical Textiles Market Estimates & Forecasts by Segment 2022-2032 (USD Billion)
- TABLE 17. U.S. Antimicrobial Medical Textiles Market Estimates & Forecasts by Segment 2022-2032 (USD Billion)
- TABLE 18. Canada Antimicrobial Medical Textiles Market Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada Antimicrobial Medical Textiles Market Estimates & Forecasts by Segment 2022-2032 (USD Billion)

TABLE 20. Canada Antimicrobial Medical Textiles Market Estimates & Forecasts by Segment 2022-2032 (USD Billion)

.....

This list is not complete, the final report does contain more than 100 tables. The list may be updated in the final deliverable.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Antimicrobial Medical Textiles Market, Research Methodology
- FIG 2. Global Antimicrobial Medical Textiles Market, Market Estimation Techniques
- FIG 3. Global Market Size Estimates & Forecast Methods.
- FIG 4. Global Antimicrobial Medical Textiles Market, Key Trends 2023
- FIG 5. Global Antimicrobial Medical Textiles Market, Growth Prospects 2022-2032
- FIG 6. Global Antimicrobial Medical Textiles Market, Porters 5 Force Model
- FIG 7. Global Antimicrobial Medical Textiles Market, PESTEL Analysis
- FIG 8. Global Antimicrobial Medical Textiles Market, Value Chain Analysis
- FIG 9. Global Antimicrobial Medical Textiles Market by Segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Antimicrobial Medical Textiles Market by Segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Antimicrobial Medical Textiles Market by Segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Antimicrobial Medical Textiles Market by Segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Antimicrobial Medical Textiles Market by Segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Antimicrobial Medical Textiles Market, Regional Snapshot 2022 & 2032
- FIG 15. North America Antimicrobial Medical Textiles Market 2022 & 2032 (USD Billion)
- FIG 16. Europe Antimicrobial Medical Textiles Market 2022 & 2032 (USD Billion)
- FIG 17. Asia Pacific Antimicrobial Medical Textiles Market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Antimicrobial Medical Textiles Market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Antimicrobial Medical Textiles Market 2022 & 2032 (USD Billion)
- FIG 20. Global Antimicrobial Medical Textiles Market, Company Market Share Analysis (2023)

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This list is not complete, the final report does contain more than 50 figures. The list may be updated in the final deliverable.

## I would like to order

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