

Adhesion Barrier Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028

Segmented by Product (Synthetic Adhesion Barriers (Hyaluronic acid, Regenerated cellulose, Polyethylene glycol, others), Natural Adhesion Barrier (Collagen & Protein, Fibrin)), by Formulation (Film/Mesh, Gel, Liquid), by Application (Gynecological surgeries, Abdominal general surgeries, Orthopedic surgeries, Cardiovascular surgeries, Neurological surgeries, Urological surgeries, others), and By Region, Competition

<https://marketpublishers.com/r/A0D4A96D5F2FEN.html>

Date: October 2023

Pages: 184

Price: US\$ 4,900.00 (Single User License)

ID: A0D4A96D5F2FEN

Abstracts

The Global Adhesion Barrier Market, valued at USD 724.89 Million in 2022, is poised for robust growth in the forecast period, with a projected Compound Annual Growth Rate (CAGR) of 5.54% through 2028 and is expected to reach USD 1002.90 Million in 2028. An adhesion barrier is a medical device employed in surgical procedures to prevent the formation of adhesions between tissues and organs. Adhesions refer to bands of scar tissue that can develop post-surgery, injury, or inflammation. These adhesions have the potential to bind together tissues that are not naturally connected, potentially leading to complications and discomfort for the patient.

Adhesion barriers are meticulously designed to establish a physical barrier between tissues during the healing process following surgery. This barrier serves to thwart the adhesion of tissues, which can otherwise result in complications such as pain, bowel obstruction, infertility, and other medical issues. Typically, adhesion barriers are crafted

from biocompatible materials that are safe for use within the human body. The primary objective of employing adhesion barriers is to enhance patient outcomes by reducing the risk of complications stemming from post-operative adhesions. They contribute to shorter hospital stays, faster recovery times, and a reduction in readmissions due to complications.

The trend towards minimally invasive surgical procedures necessitates adhesion barriers that can be applied through smaller incisions while maintaining their efficacy in preventing adhesions. As minimally invasive techniques gain popularity, the demand for compatible adhesion barriers continues to surge. Furthermore, the global aging population significantly drives surgical procedures, especially those associated with age-related conditions. This demographic trend further fuels the demand for adhesion barriers.

Hospitals and healthcare providers are increasingly dedicated to minimizing post-operative complications, enhancing patient satisfaction, and mitigating additional healthcare costs. Adhesion barriers play a pivotal role in achieving these objectives.

Key Market Drivers

- 1. Growing Global Aging Population:** As the world's population continues to age, there is a heightened prevalence of age-related medical conditions that necessitate surgical interventions. Older individuals are more likely to undergo surgeries, which often involve higher risks of post-operative adhesions due to age-related changes in tissue healing mechanisms. Adhesion barriers are crucial for reducing these risks and preventing complications in older patients.
- 2. Increasing Adhesion-Related Complications:** Adhesion-related complications arise due to the formation of adhesions within the body. These complications can lead to various health problems, including abdominal pain, bowel obstruction, infertility, and movement restrictions. Adhesion prevention is essential, making adhesion barriers indispensable in surgical procedures.
- 3. Rising Demand for Minimally Invasive Procedures:** Minimally invasive surgical techniques involve smaller incisions compared to traditional open surgery. Adhesion barriers are essential for these procedures to prevent adhesions while facilitating quicker patient recovery. The growing preference for minimally invasive approaches drives the demand for compatible adhesion barriers.

Key Market Challenges

1. **Efficacy and Longevity:** Ensuring the effectiveness of adhesion barriers in preventing adhesions and maintaining their performance over time is critical. Variability in patient responses, complexity of surgical procedures, and barrier placement challenges can influence their efficacy.
2. **Adverse Events and Side Effects:** Adhesion barriers can potentially lead to adverse reactions or complications, including infections, inflammation, and allergic responses. Patients' unique medical histories and genetic backgrounds contribute to variations in their reactions to adhesion barriers.

Key Market Trends

1. **Advancements in Material Science:** Continuous developments in material science lead to the creation of advanced materials that interact harmoniously with the body's tissues, ensuring biocompatibility, effectiveness, and durability of adhesion barriers. These materials can offer tailored properties for specific surgical needs, controlled degradation, and even drug delivery capabilities.
2. **Segmental Insights:**
 - a. **Product Insights:** Synthetic adhesion barriers lead the market due to ongoing advancements in synthetic materials, enhancing biocompatibility and effectiveness. Synthetic adhesion barriers can be engineered for versatility, making them suitable for a wide range of surgical procedures.
 - b. **Formulation Insights:** Film and mesh adhesion barriers dominate the market due to their effectiveness in physically separating tissues during healing. Their ease of use and versatility contribute to higher adoption rates among surgeons.
 - c. **Application Insights:** Cardiovascular surgeries claim a significant share of the market, as they often require adhesion barriers to prevent complications around delicate structures like blood vessels and the heart.

Regional Insights: North America has established itself as the dominant player in the global adhesion barrier market, owing to advanced healthcare infrastructure, high surgical procedure volumes, robust research and development capabilities, and a stringent regulatory environment. Key market players in North America include Johnson

& Johnson (J&J), Baxter International, Integra Lifesciences (ILS), and FzioMed.

Key Market Players

Vendor Landscape

Medtronic Plc

Johnson & Johnson SA

Sanofi SA

Baxter International Inc.,

Becton Dickinson and Company

Integra LifeSciences Holdings Corporation

Atrium Medical Corporation

FzioMed Inc.

Mast Biosurgery AG

Report Scope:

In this report, the Global Adhesion Barrier Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Adhesion Barrier Market, By Product:

Synthetic Adhesion Barriers

Hyaluronic acid

Regenerated cellulose

Polyethylene glycol

Others

Natural Adhesion Barriers

Collagen & Protein

Fibrin

Adhesion Barrier Market, By Formulation:

Film/Mesh

Gel

Liquid

Adhesion Barrier Market, By Application:

Gynecological surgeries

Abdominal general surgeries

Orthopedic surgeries

Cardiovascular surgeries

Neurological surgeries

Urological surgeries

others

Global Adhesion Barrier Market, By region:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

South Korea

Australia

Japan

Europe

Germany

France

United Kingdom

Spain

Italy

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Adhesion Barrier Market.

Available Customizations:

Global Adhesion Barrier Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. GLOBAL ADHESION BARRIER MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value & Volume
- 5.2. Market Share & Forecast
 - 5.2.1. By Product (Synthetic Adhesion Barriers (Hyaluronic acid, Regenerated cellulose, Polyethylene glycol, others), Natural Adhesion Barrier (Collagen & Protein, Fibrin))

- 5.2.2. By Formulation (Film/Mesh, Gel, Liquid)
- 5.2.3. By Application (Gynecological surgeries, Abdominal general surgeries, Orthopedic surgeries, Cardiovascular surgeries, Neurological surgeries, Urological surgeries, others)
- 5.2.4. By Company (2022)
- 5.2.5. By Region
- 5.3. Market Map

6. NORTH ADHESION BARRIER MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Value
- 6.2. Market Share & Forecast
 - 6.2.1. By Product
 - 6.2.2. By Formulation
 - 6.2.3. By Application
- 6.3. North America: Country Analysis
 - 6.3.1. United States Adhesion Barrier Market Outlook
 - 6.3.1.1. Market Size & Forecast
 - 6.3.1.1.1. By Value
 - 6.3.1.2. Market Share & Forecast
 - 6.3.1.2.1. By Product
 - 6.3.1.2.2. By Formulation
 - 6.3.1.2.3. By Application
 - 6.3.2. Mexico Adhesion Barrier Market Outlook
 - 6.3.2.1. Market Size & Forecast
 - 6.3.2.1.1. By Value
 - 6.3.2.2. Market Share & Forecast
 - 6.3.2.2.1. By Product
 - 6.3.2.2.2. By Formulation
 - 6.3.2.2.3. By Application
 - 6.3.3. Canada Adhesion Barrier Market Outlook
 - 6.3.3.1. Market Size & Forecast
 - 6.3.3.1.1. By Value
 - 6.3.3.2. Market Share & Forecast
 - 6.3.3.2.1. By Product
 - 6.3.3.2.2. By Formulation
 - 6.3.3.2.3. By Application

7. EUROPE ADHESION BARRIER MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Product

7.2.2. By Formulation

7.2.3. By Application

7.3. Europe: Country Analysis

7.3.1. France Adhesion Barrier Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Product

7.3.1.2.2. By Formulation

7.3.1.2.3. By Application

7.3.2. Germany Adhesion Barrier Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Product

7.3.2.2.2. By Formulation

7.3.2.2.3. By Application

7.3.3. United Kingdom Adhesion Barrier Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Product

7.3.3.2.2. By Formulation

7.3.3.2.3. By Application

7.3.4. Italy Adhesion Barrier Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Product

7.3.4.2.2. By Formulation

7.3.4.2.3. By Application

7.3.5. Spain Adhesion Barrier Market Outlook

7.3.5.1. Market Size & Forecast

- 7.3.5.1.1. By Value
- 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Product
 - 7.3.5.2.2. By Formulation
 - 7.3.5.2.3. By Application

8. ASIA-PACIFIC ADHESION BARRIER MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Product
 - 8.2.2. By Formulation
 - 8.2.3. By Application
 - 8.2.4. By Country
- 8.3. Asia-Pacific: Country Analysis
 - 8.3.1. China Adhesion Barrier Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Product
 - 8.3.1.2.2. By Formulation
 - 8.3.1.2.3. By Application
 - 8.3.2. India Adhesion Barrier Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Product
 - 8.3.2.2.2. By Formulation
 - 8.3.2.2.3. By Application
 - 8.3.3. South Korea Adhesion Barrier Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Product
 - 8.3.3.2.2. By Formulation
 - 8.3.3.2.3. By Application
 - 8.3.4. Japan Adhesion Barrier Market Outlook
 - 8.3.4.1. Market Size & Forecast

- 8.3.4.1.1. By Value
- 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Product
 - 8.3.4.2.2. By Formulation
 - 8.3.4.2.3. By Application
- 8.3.5. Australia Adhesion Barrier Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Product
 - 8.3.5.2.2. By Formulation
 - 8.3.5.2.3. By Application

9. SOUTH AMERICA ADHESION BARRIER MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Product
 - 9.2.2. By Formulation
 - 9.2.3. By Application
 - 9.2.4. By Country
- 9.3. South America: Country Analysis
 - 9.3.1. Brazil Adhesion Barrier Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Product
 - 9.3.1.2.2. By Formulation
 - 9.3.1.2.3. By Application
 - 9.3.2. Argentina Adhesion Barrier Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Product
 - 9.3.2.2.2. By Formulation
 - 9.3.2.2.3. By Application
 - 9.3.3. Colombia Adhesion Barrier Market Outlook
 - 9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Product

9.3.3.2.2. By Formulation

9.3.3.2.3. By Application

10. MIDDLE EAST AND AFRICA ADHESION BARRIER MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Product

10.2.2. By Formulation

10.2.3. By Application

10.2.4. By Country

10.3. MEA: Country Analysis

10.3.1. South Africa Adhesion Barrier Market Outlook

10.3.1.1. Market Size & Forecast

10.3.1.1.1. By Value

10.3.1.2. Market Share & Forecast

10.3.1.2.1. By Product

10.3.1.2.2. By Formulation

10.3.1.2.3. By Application

10.3.2. Saudi Arabia Adhesion Barrier Market Outlook

10.3.2.1. Market Size & Forecast

10.3.2.1.1. By Value

10.3.2.2. Market Share & Forecast

10.3.2.2.1. By Product

10.3.2.2.2. By Formulation

10.3.2.2.3. By Application

10.3.3. UAE Adhesion Barrier Outlook

10.3.3.1. Market Size & Forecast

10.3.3.1.1. By Value

10.3.3.2. Market Share & Forecast

10.3.3.2.1. By Product

10.3.3.2.2. By Formulation

10.3.3.2.3. By Application

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

- 12.1. Recent Developments
- 12.2. Product Launches
- 12.3. Mergers & Acquisitions

13. PESTLE ANALYSIS

14. PORTER'S FIVE FORCES ANALYSIS

- 14.1. Competition in the Industry
- 14.2. Potential of New Entrants
- 14.3. Power of Suppliers
- 14.4. Power of Customers
- 14.5. Threat of Substitute Product

15. COMPETITIVE LANDSCAPE

- 15.1. Business Overview
- 15.2. Company Snapshot
- 15.3. Products & Services
- 15.4. Financials (In case of listed companies)
- 15.5. Recent Developments
- 15.6. SWOT Analysis
 - 15.6.1. Vendor Landscape
 - 15.6.2. Medtronic Plc
 - 15.6.3. Johnson & Johnson SA
 - 15.6.4. Sanofi SA
 - 15.6.5. Baxter International Inc.,
 - 15.6.6. Becton Dickinson and Company
 - 15.6.7. Integra LifeSciences Holdings Corporation
 - 15.6.8. Atrium Medical Corporation
 - 15.6.9. FzioMed Inc.
 - 15.6.10. Mast Biosurgery AG

16. STRATEGIC RECOMMENDATIONS

I would like to order

Product name: Adhesion Barrier Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented by Product (Synthetic Adhesion Barriers (Hyaluronic acid, Regenerated cellulose, Polyethylene glycol, others), Natural Adhesion Barrier (Collagen & Protein, Fibrin)), by Formulation (Film/Mesh, Gel, Liquid), by Application (Gynecological surgeries, Abdominal general surgeries, Orthopedic surgeries, Cardiovascular surgeries, Neurological surgeries, Urological surgeries, others), and By Region, Competition

Product link: <https://marketpublishers.com/r/A0D4A96D5F2FEN.html>

Price: US\$ 4,900.00 (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 <https://marketpublishers.com/r/A0D4A96D5F2FEN.html>

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**

Customer signature _____

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

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