

# **Forensic Equipment and Supplies Market By Product (Instruments, Reagents and Consumables, Low temperature Storage Devices, Evidence Drying Cabinets) , By Application (Drug Testing and Toxicology, DNA Analysis, Blood Analysis, Biometrics, Other Applications) By End User (Government Forensic Laboratories, Independent Forensic Laboratories, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

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## **Abstracts**

### **Forensic Equipment and Supplies Market**

The forensic equipment and supplies market was valued at \$8.1 billion in 2023 and is projected to reach \$16.5 billion by 2033, growing at a CAGR of 7.3% from 2024 to 2033.

The forensic equipment and supplies market comprises of distinguished instruments, tools, and consumables utilized by forensic scientists & judiciary to obtain, assess, and safeguard crime scene evidence for investigation objectives. The market includes a broad range of products such as fingerprint analysis gadgets, DNA analytical devices, tools of forensic toxicology, and ballistic analysis instrument. Accuracy, precision, and reliability are the critical aspects of designing such instruments as they ensure the investigators extract correct vital details for the law process.

Increase in the incidence of criminal activities has boosted the demand for cutting-edge forensic equipment and supplies. As crime rates are surging globally, forensic

laboratories and law enforcement agencies are under the constraint to elevate their potential in evidence accumulation and assessment. This drives continual innovation in the market and boosts the adoption of advanced forensic equipment. The integration of AI in forensics is a novel concept garnering traction due to its usefulness. For instance, digital forensics is an ingenious application where AI processes data from multiple sources such as CCTV footage, physical evidence, and eyewitness accounts, hence helping investigators to reconstruct the happening at the crime scene and recognize potential suspects.

However, the ethical concerns surrounding data protection and privacy pose substantial challenges for the growth of the forensic equipment and supplies market. The market adoption is decelerated due to public uncertainty and resistance to certain forensic practices. On the contrary, the efforts imposed by government and regulatory bodies to boost the potential of forensic laboratories indicate a promising future for the market. For instance, the Bureau of Justice Assistance in the U.S. launched a DNA Capacity Enhancement for Backlog Reduction program to aid the forensic laboratories in enhancing their capacity of processing DNA samples by recruiting new staff and upgrading cutting-edge equipment.

## Segment Review

The forensic equipment and supplies market is segmented into product, application, end user, and region. On the basis of product, the market is divided into instruments, reagents & consumables, low temperature storage devices, and evidence drying cabinets. By application, it is classified into drug testing & toxicology, DNA analysis, blood analysis, biometrics, and other applications. According to end user, it is categorized into government forensic laboratories, independent forensic laboratories, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

## Key Findings

On the basis of product, the reagents & consumables segment dominated the market share in 2023.

By application, the drug testing & toxicology segment was the highest shareholder in 2023.

According to end user, the government forensic laboratories segment acquired high

stakes in 2023.

Region wise, North America is projected to be the highest revenue generator by 2033.

### Competition Analysis

The major players operating in the global forensic equipment and supplies market include ThermoFisher Scientific Inc., PerkinElmer Inc., Agilent Technologies, Inc., Danaher Corporation, Waters Corporation, Air Science, BVDA International, Safariland, LLC., Illumina, Inc, and HORIBA, Ltd. These players have adopted various key developmental strategies such as business expansion, new product launches, and partnerships to strengthen their foothold in the market.

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Historic market data

Key player details (including location, contact details, supplier/vendor network etc. in excel format)

Key Market Segments

By Product

Instruments

Spectroscopy Instrument

DNA Analyzers

Liquid Chromatography Systems

Gas Chromatography Systems

Blood Chemistry Analyzers

Fingerprint Analyzers

Forensic cameras

Laboratory Centrifuges

Other Forensic Instruments

Reagents and Consumables

Low temperature Storage Devices

Evidence Drying Cabinets

#### By Application

Drug Testing and Toxicology

DNA Analysis

Blood Analysis

Biometrics

Other Applications

#### By End User

Government Forensic Laboratories

Independent Forensic Laboratories

Others

#### By Region

North America

U.S.

Canada

Mexico

Europe

Germany

France

UK

Italy

Spain

Rest of Europe

Asia-Pacific

Japan

China

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

Key Market Players

ThermoFisher Scientific Inc.

PerkinElmer Inc.

Agilent Technologies, Inc.

Danaher Corporation

Waters Corporation

Air Science

BVDA International

Safariland, LLC.

Illumina, Inc

HORIBA, Ltd.

## Contents

### **CHAPTER 1: INTRODUCTION**

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
  - 1.4.1. Primary Research
  - 1.4.2. Secondary Research
  - 1.4.3. Analyst Tools and Models

### **CHAPTER 2: EXECUTIVE SUMMARY**

- 2.1. CXO Perspective

### **CHAPTER 3: MARKET LANDSCAPE**

- 3.1. Market Definition and Scope
- 3.2. Key Findings
  - 3.2.1. Top Investment Pockets
  - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
  - 3.3.1. Bargaining Power of Suppliers
  - 3.3.2. Threat of New Entrants
  - 3.3.3. Threat of Substitutes
  - 3.3.4. Competitive Rivalry
  - 3.3.5. Bargaining Power among Buyers
- 3.4. Market Dynamics
  - 3.4.1. Drivers
  - 3.4.2. Restraints
  - 3.4.3. Opportunities

### **CHAPTER 4: ADHESION BARRIER MARKET, BY TYPE**

- 4.1. Market Overview
  - 4.1.1 Market Size and Forecast, By Type
- 4.2. Synthetic Adhesion Barrier
  - 4.2.1. Key Market Trends, Growth Factors and Opportunities



- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. Natural Adhesion Barrier
  - 4.3.1. Key Market Trends, Growth Factors and Opportunities
  - 4.3.2. Market Size and Forecast, By Region
  - 4.3.3. Market Share Analysis, By Country

## **CHAPTER 5: ADHESION BARRIER MARKET, BY APPLICATION**

- 5.1. Market Overview
  - 5.1.1 Market Size and Forecast, By Application
- 5.2. General/Abdominal Surgeries
  - 5.2.1. Key Market Trends, Growth Factors and Opportunities
  - 5.2.2. Market Size and Forecast, By Region
  - 5.2.3. Market Share Analysis, By Country
- 5.3. Gynecological Surgeries
  - 5.3.1. Key Market Trends, Growth Factors and Opportunities
  - 5.3.2. Market Size and Forecast, By Region
  - 5.3.3. Market Share Analysis, By Country
- 5.4. Cardiovascular Surgeries
  - 5.4.1. Key Market Trends, Growth Factors and Opportunities
  - 5.4.2. Market Size and Forecast, By Region
  - 5.4.3. Market Share Analysis, By Country
- 5.5. Orthopedic Surgeries
  - 5.5.1. Key Market Trends, Growth Factors and Opportunities
  - 5.5.2. Market Size and Forecast, By Region
  - 5.5.3. Market Share Analysis, By Country
- 5.6. Neurological Surgeries
  - 5.6.1. Key Market Trends, Growth Factors and Opportunities
  - 5.6.2. Market Size and Forecast, By Region
  - 5.6.3. Market Share Analysis, By Country
- 5.7. Other Applications
  - 5.7.1. Key Market Trends, Growth Factors and Opportunities
  - 5.7.2. Market Size and Forecast, By Region
  - 5.7.3. Market Share Analysis, By Country

## **CHAPTER 6: ADHESION BARRIER MARKET, BY END USER**

- 6.1. Market Overview

- 6.1.1 Market Size and Forecast, By End User
- 6.2. Hospitals
  - 6.2.1. Key Market Trends, Growth Factors and Opportunities
  - 6.2.2. Market Size and Forecast, By Region
  - 6.2.3. Market Share Analysis, By Country
- 6.3. Specialty Clinics
  - 6.3.1. Key Market Trends, Growth Factors and Opportunities
  - 6.3.2. Market Size and Forecast, By Region
  - 6.3.3. Market Share Analysis, By Country
- 6.4. Ambulatory Surgical Centers
  - 6.4.1. Key Market Trends, Growth Factors and Opportunities
  - 6.4.2. Market Size and Forecast, By Region
  - 6.4.3. Market Share Analysis, By Country

## **CHAPTER 7: ADHESION BARRIER MARKET, BY REGION**

- 7.1. Market Overview
  - 7.1.1 Market Size and Forecast, By Region
- 7.2. North America
  - 7.2.1. Key Market Trends and Opportunities
  - 7.2.2. Market Size and Forecast, By Type
  - 7.2.3. Market Size and Forecast, By Application
  - 7.2.4. Market Size and Forecast, By End User
  - 7.2.5. Market Size and Forecast, By Country
  - 7.2.6. U.S. Adhesion Barrier Market
    - 7.2.6.1. Market Size and Forecast, By Type
    - 7.2.6.2. Market Size and Forecast, By Application
    - 7.2.6.3. Market Size and Forecast, By End User
  - 7.2.7. Canada Adhesion Barrier Market
    - 7.2.7.1. Market Size and Forecast, By Type
    - 7.2.7.2. Market Size and Forecast, By Application
    - 7.2.7.3. Market Size and Forecast, By End User
  - 7.2.8. Mexico Adhesion Barrier Market
    - 7.2.8.1. Market Size and Forecast, By Type
    - 7.2.8.2. Market Size and Forecast, By Application
    - 7.2.8.3. Market Size and Forecast, By End User
- 7.3. Europe
  - 7.3.1. Key Market Trends and Opportunities
  - 7.3.2. Market Size and Forecast, By Type

- 7.3.3. Market Size and Forecast, By Application
- 7.3.4. Market Size and Forecast, By End User
- 7.3.5. Market Size and Forecast, By Country
- 7.3.6. Germany Adhesion Barrier Market
  - 7.3.6.1. Market Size and Forecast, By Type
  - 7.3.6.2. Market Size and Forecast, By Application
  - 7.3.6.3. Market Size and Forecast, By End User
- 7.3.7. France Adhesion Barrier Market
  - 7.3.7.1. Market Size and Forecast, By Type
  - 7.3.7.2. Market Size and Forecast, By Application
  - 7.3.7.3. Market Size and Forecast, By End User
- 7.3.8. UK Adhesion Barrier Market
  - 7.3.8.1. Market Size and Forecast, By Type
  - 7.3.8.2. Market Size and Forecast, By Application
  - 7.3.8.3. Market Size and Forecast, By End User
- 7.3.9. Italy Adhesion Barrier Market
  - 7.3.9.1. Market Size and Forecast, By Type
  - 7.3.9.2. Market Size and Forecast, By Application
  - 7.3.9.3. Market Size and Forecast, By End User
- 7.3.10. Spain Adhesion Barrier Market
  - 7.3.10.1. Market Size and Forecast, By Type
  - 7.3.10.2. Market Size and Forecast, By Application
  - 7.3.10.3. Market Size and Forecast, By End User
- 7.3.11. Rest of Europe Adhesion Barrier Market
  - 7.3.11.1. Market Size and Forecast, By Type
  - 7.3.11.2. Market Size and Forecast, By Application
  - 7.3.11.3. Market Size and Forecast, By End User
- 7.4. Asia-Pacific
  - 7.4.1. Key Market Trends and Opportunities
  - 7.4.2. Market Size and Forecast, By Type
  - 7.4.3. Market Size and Forecast, By Application
  - 7.4.4. Market Size and Forecast, By End User
  - 7.4.5. Market Size and Forecast, By Country
  - 7.4.6. Japan Adhesion Barrier Market
    - 7.4.6.1. Market Size and Forecast, By Type
    - 7.4.6.2. Market Size and Forecast, By Application
    - 7.4.6.3. Market Size and Forecast, By End User
  - 7.4.7. China Adhesion Barrier Market
    - 7.4.7.1. Market Size and Forecast, By Type

- 7.4.7.2. Market Size and Forecast, By Application
- 7.4.7.3. Market Size and Forecast, By End User
- 7.4.8. Australia Adhesion Barrier Market
  - 7.4.8.1. Market Size and Forecast, By Type
  - 7.4.8.2. Market Size and Forecast, By Application
  - 7.4.8.3. Market Size and Forecast, By End User
- 7.4.9. India Adhesion Barrier Market
  - 7.4.9.1. Market Size and Forecast, By Type
  - 7.4.9.2. Market Size and Forecast, By Application
  - 7.4.9.3. Market Size and Forecast, By End User
- 7.4.10. South Korea Adhesion Barrier Market
  - 7.4.10.1. Market Size and Forecast, By Type
  - 7.4.10.2. Market Size and Forecast, By Application
  - 7.4.10.3. Market Size and Forecast, By End User
- 7.4.11. Rest of Asia-Pacific Adhesion Barrier Market
  - 7.4.11.1. Market Size and Forecast, By Type
  - 7.4.11.2. Market Size and Forecast, By Application
  - 7.4.11.3. Market Size and Forecast, By End User
- 7.5. LAMEA
  - 7.5.1. Key Market Trends and Opportunities
  - 7.5.2. Market Size and Forecast, By Type
  - 7.5.3. Market Size and Forecast, By Application
  - 7.5.4. Market Size and Forecast, By End User
  - 7.5.5. Market Size and Forecast, By Country
  - 7.5.6. Brazil Adhesion Barrier Market
    - 7.5.6.1. Market Size and Forecast, By Type
    - 7.5.6.2. Market Size and Forecast, By Application
    - 7.5.6.3. Market Size and Forecast, By End User
  - 7.5.7. Saudi Arabia Adhesion Barrier Market
    - 7.5.7.1. Market Size and Forecast, By Type
    - 7.5.7.2. Market Size and Forecast, By Application
    - 7.5.7.3. Market Size and Forecast, By End User
  - 7.5.8. South Africa Adhesion Barrier Market
    - 7.5.8.1. Market Size and Forecast, By Type
    - 7.5.8.2. Market Size and Forecast, By Application
    - 7.5.8.3. Market Size and Forecast, By End User
  - 7.5.9. Rest of LAMEA Adhesion Barrier Market
    - 7.5.9.1. Market Size and Forecast, By Type
    - 7.5.9.2. Market Size and Forecast, By Application

### 7.5.9.3. Market Size and Forecast, By End User

## **CHAPTER 8: COMPETITIVE LANDSCAPE**

- 8.1. Introduction
- 8.2. Top Winning Strategies
- 8.3. Product Mapping of Top 10 Player
- 8.4. Competitive Dashboard
- 8.5. Competitive Heatmap
- 8.6. Top Player Positioning, 2023

## **CHAPTER 9: COMPANY PROFILES**

- 9.1. Anika Therapeutics Inc.
  - 9.1.1. Company Overview
  - 9.1.2. Key Executives
  - 9.1.3. Company Snapshot
  - 9.1.4. Operating Business Segments
  - 9.1.5. Product Portfolio
  - 9.1.6. Business Performance
  - 9.1.7. Key Strategic Moves and Developments
- 9.2. Baxter International Inc.
  - 9.2.1. Company Overview
  - 9.2.2. Key Executives
  - 9.2.3. Company Snapshot
  - 9.2.4. Operating Business Segments
  - 9.2.5. Product Portfolio
  - 9.2.6. Business Performance
  - 9.2.7. Key Strategic Moves and Developments
- 9.3. Leader Biomedical
  - 9.3.1. Company Overview
  - 9.3.2. Key Executives
  - 9.3.3. Company Snapshot
  - 9.3.4. Operating Business Segments
  - 9.3.5. Product Portfolio
  - 9.3.6. Business Performance
  - 9.3.7. Key Strategic Moves and Developments
- 9.4. Betatech Medical
  - 9.4.1. Company Overview

- 9.4.2. Key Executives
- 9.4.3. Company Snapshot
- 9.4.4. Operating Business Segments
- 9.4.5. Product Portfolio
- 9.4.6. Business Performance
- 9.4.7. Key Strategic Moves and Developments
- 9.5. Fziomed, Inc.
  - 9.5.1. Company Overview
  - 9.5.2. Key Executives
  - 9.5.3. Company Snapshot
  - 9.5.4. Operating Business Segments
  - 9.5.5. Product Portfolio
  - 9.5.6. Business Performance
  - 9.5.7. Key Strategic Moves and Developments
- 9.6. Integra LifeSciences Holdings Corporation
  - 9.6.1. Company Overview
  - 9.6.2. Key Executives
  - 9.6.3. Company Snapshot
  - 9.6.4. Operating Business Segments
  - 9.6.5. Product Portfolio
  - 9.6.6. Business Performance
  - 9.6.7. Key Strategic Moves and Developments
- 9.7. Johnson And Johnson
  - 9.7.1. Company Overview
  - 9.7.2. Key Executives
  - 9.7.3. Company Snapshot
  - 9.7.4. Operating Business Segments
  - 9.7.5. Product Portfolio
  - 9.7.6. Business Performance
  - 9.7.7. Key Strategic Moves and Developments
- 9.8. CGBio Inc
  - 9.8.1. Company Overview
  - 9.8.2. Key Executives
  - 9.8.3. Company Snapshot
  - 9.8.4. Operating Business Segments
  - 9.8.5. Product Portfolio
  - 9.8.6. Business Performance
  - 9.8.7. Key Strategic Moves and Developments
- 9.9. Atrium Medical Corporation

- 9.9.1. Company Overview
- 9.9.2. Key Executives
- 9.9.3. Company Snapshot
- 9.9.4. Operating Business Segments
- 9.9.5. Product Portfolio
- 9.9.6. Business Performance
- 9.9.7. Key Strategic Moves and Developments
- 9.10. Toray Industries Inc.
  - 9.10.1. Company Overview
  - 9.10.2. Key Executives
  - 9.10.3. Company Snapshot
  - 9.10.4. Operating Business Segments
  - 9.10.5. Product Portfolio
  - 9.10.6. Business Performance
  - 9.10.7. Key Strategic Moves and Developments

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