

Laparoscopic Appendectomy Market Size, Share & Trends Analysis Report By Product (Medical Laparoscopic Robots, Laparoscopes), By Technology (Single-Port Laparoscopy, Multi-Port Laparoscopy), By End Use (Hospitals, Clinics), By Region and Segment Forecasts, 2024 - 2030

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Abstracts

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Laboratory Informatics Market Growth & Trends

The global laboratory informatics market size is anticipated to reach USD 5.21 billion by 2030, growing at a CAGR of 5.13% from 2024 to 2030, according to a new report by Grand View Research, Inc. Rising regulatory pressures to accelerate the adoption of Laboratory Information Management Systems (LIMS) among life sciences companies, aiding in compliance management and cost-effective workflow management needs are driving the market growth. The surge in LIMS usage by biobanks and the demand for integrated healthcare are primary growth drivers. Moreover, advancements in LIMS technology are set to further propel market expansion in the coming year.

Data generated by laboratories has significantly increased over the forecast period owing to rapid technological advancements in molecular genomics and genetic testing practices. In addition, shifts in preference toward personalized medicine, cancer genomics studies, and increasing patient engagement are anticipated to fuel the market growth in the coming years. The increasing emphasis on using big data and modeling in research, along with the incorporation of AI and machine learning in healthcare, is driving market growth.

Tools such as Tableau and Spotfire are enhancing data visualization capabilities and enabling the generation of innovative insights in laboratory settings. As a result, industry leaders are heavily investing in these technologies to stay ahead in the market. For instance, in August 2021, IDBS and Tableau publicized a strategic corporation to integrate Tableau into the IDBS suite of products. The partnership will enhance IDBS's product offerings. These initiatives are anticipated to boost market growth over the forecast period.

Laboratory Informatics Market Report Highlights

Based on product, the LIMS segment dominated the market in 2023. This is attributed to the associated benefits such as data tracking and management with fewer errors.

Based on delivery mode, the web-based segment dominated the market in 2023. This is attributed to the demand for streamlined data management and analysis, alongside the exponential growth in data volume and diverse formats

Based on components, the services segment dominated the market in 2023. This is attributed to the increasing demand for versatile, scalable LIMS solutions for efficient data and process management that is driving growth, with large pharma and research labs outsourcing advanced analytics due to internal limitations.

Based on end use, the life science companies segment dominated the market in 2023. This is attributed to the rising demand for laboratory informatics to drive product innovation, enhance quality, and boost operational efficiency.

North America region held the largest market share in 2023 which is attributed to supportive government initiatives promoting the adoption of LIMS.

In February 2023, LabWare launched LabWare 8, which integrates LIMS, ELN, Mobile, and LabWare Analytics into the LabWare Enterprise Laboratory Platform (ELP), providing the most adaptable and functionally complete solution for laboratories of any size.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Segment Definitions
 - 1.2.1. Product
 - 1.2.2. Technology
 - 1.2.3. End Use
 - 1.2.4. Regional scope
 - 1.2.5. Estimates and forecasts timeline
- 1.3. Research Methodology
- 1.4. Information Procurement
 - 1.4.1. Purchased database
 - 1.4.2. GVR's internal database
 - 1.4.3. Secondary sources
 - 1.4.4. Primary research
 - 1.4.5. Details of primary research
 - 1.4.5.1. Data for primary interviews in North America
 - 1.4.5.2. Data for primary interviews in Europe
 - 1.4.5.3. Data for primary interviews in Asia Pacific
 - 1.4.5.4. Data for primary interviews in Latin America
 - 1.4.5.5. Data for Primary interviews in MEA
- 1.5. Information or Data Analysis
 - 1.5.1. Data analysis models
- 1.6. Market Formulation & Validation
- 1.7. Model Details
 - 1.7.1. Commodity flow analysis (Model 1)
 - 1.7.2. Approach 1: Commodity flow approach
- 1.8. List of Secondary Sources
- 1.9. List of Primary Sources
- 1.10. Objectives

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
 - 2.2.1. Product Outlook
 - 2.2.2. Technology

- 2.2.3. End Use
- 2.2.4. Regional outlook
- 2.3. Competitive Insights

CHAPTER 3. LAPAROSCOPIC APPENDECTOMY MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Lineage Outlook
 - 3.1.1. Parent market outlook
 - 3.1.2. Related/ancillary market outlook
- 3.2. Market Dynamics
 - 3.2.1. Market driver analysis
 - 3.2.1.1. High Prevalence of Appendicitis
 - 3.2.1.2. Technological Advancements
 - 3.2.1.3. Growing Preference for Minimally Invasive Procedures
 - 3.2.2. Market restraint analysis
 - 3.2.2.1. High Costs of Advanced Technology
 - 3.2.2.2. Risk of Complications
- 3.3. Laparoscopic Appendectomy Market Analysis Tools
 - 3.3.1. Industry Analysis - Porter's
 - 3.3.1.1. Supplier power
 - 3.3.1.2. Buyer power
 - 3.3.1.3. Substitution threat
 - 3.3.1.4. Threat of new entrant
 - 3.3.1.5. Competitive rivalry
 - 3.3.2. PESTEL Analysis
 - 3.3.2.1. Political landscape
 - 3.3.2.2. Technological landscape
 - 3.3.2.3. Economic landscape

CHAPTER 4. LAPAROSCOPIC APPENDECTOMY MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

- 4.1. Global Laparoscopic Appendectomy Market: Product Dashboard
- 4.2. Global Laparoscopic Appendectomy Market: Product Movement Analysis
- 4.3. Global Laparoscopic Appendectomy Market by Product, Revenue
- 4.4. Medical Laparoscopic Robots
 - 4.4.1. Medical laparoscopic robots market estimates and forecasts 2018 to 2030 (USD Million)

4.5. Laparoscopes

4.5.1. Laparoscopes market estimates and forecasts 2018 to 2030 (USD Million)

4.6. Hand Instruments

4.6.1. Hand instruments market estimates and forecasts 2018 to 2030 (USD Million)

4.7. Insufflators & Accessories

4.7.1. Insufflators & accessories market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 5. LAPAROSCOPIC APPENDECTOMY MARKET: TECHNOLOGY ESTIMATES & TREND ANALYSIS

5.1. Global Laparoscopic Appendectomy Market: Technology Dashboard

5.2. Global Laparoscopic Appendectomy Market: Technology Movement Analysis

5.3. Global Laparoscopic Appendectomy Market Estimates and Forecasts, By Technology, Revenue (USD Million)

5.4. Single-Port laparoscopy

5.4.1. Single-Port laparoscopy market estimates and forecasts 2018 to 2030 (USD Million)

5.5. Multi-Port laparoscopy

5.5.1. Multi-Port laparoscopy market estimates and forecasts 2018 to 2030 (USD Million)

5.6. Robotic-assisted surgery

5.6.1. Robotic-assisted surgery market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 6. LAPAROSCOPIC APPENDECTOMY MARKET: END USE ESTIMATES & TREND ANALYSIS

6.1. Global Laparoscopic Appendectomy Market: End Use Dashboard

6.2. Global Laparoscopic Appendectomy Market: End Use Movement Analysis

6.3. Global Laparoscopic Appendectomy Market Estimates and Forecasts, By End Use, Revenue (USD Million)

6.4. Hospital

6.4.1. Hospital market estimates and forecasts 2018 to 2030 (USD Million)

6.5. Clinics

6.5.1. Clinics market estimates and forecasts 2018 to 2030 (USD Million)

6.6. Other

6.6.1. Other market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 7. LAPAROSCOPIC APPENDECTOMY MARKET: REGIONAL ESTIMATES & TREND ANALYSIS BY PRODUCT, TECHNOLOGY, AND END USE

7.1. Regional Dashboard

7.2. Market Size, & Forecasts Trend Analysis, 2018 to 2030:

7.3. North America

7.3.1. U.S.

7.3.1.1. Key country dynamics

7.3.1.2. Regulatory framework/ reimbursement structure

7.3.1.3. Competitive scenario

7.3.1.4. U.S. market estimates and forecasts 2018 to 2030 (USD Million)

7.3.2. Canada

7.3.2.1. Key country dynamics

7.3.2.2. Regulatory framework/ reimbursement structure

7.3.2.3. Competitive scenario

7.3.2.4. Canada market estimates and forecasts 2018 to 2030 (USD Million)

7.3.3. Mexico

7.3.3.1. Key country dynamics

7.3.3.2. Regulatory framework/ reimbursement structure

7.3.3.3. Competitive scenario

7.3.3.4. Mexico market estimates and forecasts 2018 to 2030 (USD Million)

7.4. Europe

7.4.1. UK

7.4.1.1. Key country dynamics

7.4.1.2. Regulatory framework/ reimbursement structure

7.4.1.3. Competitive scenario

7.4.1.4. UK market estimates and forecasts 2018 to 2030 (USD Million)

7.4.2. Germany

7.4.2.1. Key country dynamics

7.4.2.2. Regulatory framework/ reimbursement structure

7.4.2.3. Competitive scenario

7.4.2.4. Germany market estimates and forecasts 2018 to 2030 (USD Million)

7.4.3. France

7.4.3.1. Key country dynamics

7.4.3.2. Regulatory framework/ reimbursement structure

7.4.3.3. Competitive scenario

7.4.3.4. France market estimates and forecasts 2018 to 2030 (USD Million)

7.4.4. Italy

7.4.4.1. Key country dynamics

- 7.4.4.2. Regulatory framework/ reimbursement structure
- 7.4.4.3. Competitive scenario
- 7.4.4.4. Italy market estimates and forecasts 2018 to 2030 (USD Million)
- 7.4.5. Spain
 - 7.4.5.1. Key country dynamics
 - 7.4.5.2. Regulatory framework/ reimbursement structure
 - 7.4.5.3. Competitive scenario
 - 7.4.5.4. Spain market estimates and forecasts 2018 to 2030 (USD Million)
- 7.4.6. Norway
 - 7.4.6.1. Key country dynamics
 - 7.4.6.2. Regulatory framework/ reimbursement structure
 - 7.4.6.3. Competitive scenario
 - 7.4.6.4. Norway market estimates and forecasts 2018 to 2030 (USD Million)
- 7.4.7. Sweden
 - 7.4.7.1. Key country dynamics
 - 7.4.7.2. Regulatory framework/ reimbursement structure
 - 7.4.7.3. Competitive scenario
 - 7.4.7.4. Sweden market estimates and forecasts 2018 to 2030 (USD Million)
- 7.4.8. Denmark
 - 7.4.8.1. Key country dynamics
 - 7.4.8.2. Regulatory framework/ reimbursement structure
 - 7.4.8.3. Competitive scenario
 - 7.4.8.4. Denmark market estimates and forecasts 2018 to 2030 (USD Million)
- 7.5. Asia Pacific
 - 7.5.1. Japan
 - 7.5.1.1. Key country dynamics
 - 7.5.1.2. Regulatory framework/ reimbursement structure
 - 7.5.1.3. Competitive scenario
 - 7.5.1.4. Japan market estimates and forecasts 2018 to 2030 (USD Million)
 - 7.5.2. China
 - 7.5.2.1. Key country dynamics
 - 7.5.2.2. Regulatory framework/ reimbursement structure
 - 7.5.2.3. Competitive scenario
 - 7.5.2.4. China market estimates and forecasts 2018 to 2030 (USD Million)
 - 7.5.3. India
 - 7.5.3.1. Key country dynamics
 - 7.5.3.2. Regulatory framework/ reimbursement structure
 - 7.5.3.3. Competitive scenario
 - 7.5.3.4. India market estimates and forecasts 2018 to 2030 (USD Million)

7.5.4. Australia

7.5.4.1. Key country dynamics

7.5.4.2. Regulatory framework/ reimbursement structure

7.5.4.3. Competitive scenario

7.5.4.4. Australia market estimates and forecasts 2018 to 2030 (USD Million)

7.5.5. South Korea

7.5.5.1. Key country dynamics

7.5.5.2. Regulatory framework/ reimbursement structure

7.5.5.3. Competitive scenario

7.5.5.4. South Korea market estimates and forecasts 2018 to 2030 (USD Million)

7.5.6. Thailand

7.5.6.1. Key country dynamics

7.5.6.2. Regulatory framework/ reimbursement structure

7.5.6.3. Competitive scenario

7.5.6.4. Thailand market estimates and forecasts 2018 to 2030 (USD Million)

7.6. Latin America

7.6.1. Brazil

7.6.1.1. Key country dynamics

7.6.1.2. Regulatory framework/ reimbursement structure

7.6.1.3. Competitive scenario

7.6.1.4. Brazil market estimates and forecasts 2018 to 2030 (USD Million)

7.6.2. Argentina

7.6.2.1. Key country dynamics

7.6.2.2. Regulatory framework/ reimbursement structure

7.6.2.3. Competitive scenario

7.6.2.4. Argentina market estimates and forecasts 2018 to 2030 (USD Million)

7.7. MEA

7.7.1. South Africa

7.7.1.1. Key country dynamics

7.7.1.2. Regulatory framework/ reimbursement structure

7.7.1.3. Competitive scenario

7.7.1.4. South Africa market estimates and forecasts 2018 to 2030 (USD Million)

7.7.2. Saudi Arabia

7.7.2.1. Key country dynamics

7.7.2.2. Regulatory framework/ reimbursement structure

7.7.2.3. Competitive scenario

7.7.2.4. Saudi Arabia market estimates and forecasts 2018 to 2030 (USD Million)

7.7.3. UAE

7.7.3.1. Key country dynamics

- 7.7.3.2. Regulatory framework/ reimbursement structure
- 7.7.3.3. Competitive scenario
- 7.7.3.4. UAE market estimates and forecasts 2018 to 2030 (USD Million)
- 7.7.4. Kuwait
 - 7.7.4.1. Key country dynamics
 - 7.7.4.2. Regulatory framework/ reimbursement structure
 - 7.7.4.3. Competitive scenario
 - 7.7.4.4. Kuwait market estimates and forecasts 2018 to 2030 (USD Million)

CHAPTER 8. COMPETITIVE LANDSCAPE

- 8.1. Company/Competition Categorization
- 8.2. Vendor Landscape
 - 8.2.1. List of key distributors and channel partners
 - 8.2.2. Key company market share analysis, 2023
 - 8.2.3. Medtronic plc
 - 8.2.3.1. Company overview
 - 8.2.3.2. Financial performance
 - 8.2.3.3. Product benchmarking
 - 8.2.3.4. Strategic initiatives
 - 8.2.4. Johnson & Johnson
 - 8.2.4.1. Company overview
 - 8.2.4.2. Financial performance
 - 8.2.4.3. Product benchmarking
 - 8.2.4.4. Strategic initiatives
 - 8.2.5. Stryker Corporation
 - 8.2.5.1. Company overview
 - 8.2.5.2. Financial performance
 - 8.2.5.3. Product benchmarking
 - 8.2.5.4. Strategic initiatives
 - 8.2.6. Olympus Corporation
 - 8.2.6.1. Company overview
 - 8.2.6.2. Financial performance
 - 8.2.6.3. Product benchmarking
 - 8.2.6.4. Strategic initiatives
 - 8.2.7. Conmed Corporation
 - 8.2.7.1. Company overview
 - 8.2.7.2. Financial performance
 - 8.2.7.3. Product benchmarking

8.2.7.4. Strategic initiatives

8.2.8. B. Braun SE

8.2.8.1. Company overview

8.2.8.2. Financial performance

8.2.8.3. Product benchmarking

8.2.8.4. Strategic initiatives

8.2.9. Richard Wolf GmbH

8.2.9.1. Company overview

8.2.9.2. Financial performance

8.2.9.3. Product benchmarking

8.2.9.4. Strategic initiatives

8.2.10. Karl Storz SE & Co. KG

8.2.10.1. Company overview

8.2.10.2. Financial performance

8.2.10.3. Product benchmarking

8.2.10.4. Strategic initiatives

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