

Global AI In Vitro Diagnostic Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GB698653D98AEN.html>

Date: June 2026

Pages: 152

Price: US\$ 4,480.00 (Single User License)

ID: GB698653D98AEN

Abstracts

The global AI In Vitro Diagnostic market size is expected to reach \$ 9835 million by 2032, rising at a market growth of 17.8% CAGR during the forecast period (2026-2032).

AI in vitro diagnostics integrates artificial intelligence with laboratory testing technologies to analyze biological samples such as blood, tissue, and other body fluids, enabling disease screening, assisted diagnosis, and risk prediction while improving efficiency and accuracy and reducing reliance on human expertise.

As a key intersection of healthcare and AI, AI-driven in vitro diagnostics is evolving from traditional testing tools into intelligent diagnostic platforms. The upstream segment includes suppliers of biological reagents, core components, and computing infrastructure, such as antibodies, enzymes, chips, biosensors, and data processing systems, supported by AI model training and computing power from companies like NVIDIA and Intel. These elements form the technological foundation.

The downstream segment is where most value is realized, primarily across hospitals, independent laboratories, and public health systems. In hospitals, AI-powered diagnostics assist clinicians in early screening and accurate diagnosis, particularly in oncology and infectious disease detection, improving efficiency and reducing error rates. Independent labs and diagnostic centers leverage automation and data analytics for large-scale testing and cost optimization. In public health, these systems support disease surveillance and epidemic forecasting, enhancing response capabilities. Demand is driven by aging populations, rising prevalence of chronic and critical diseases, and uneven distribution of medical resources, alongside the growth of precision medicine.

In terms of trends, AI in vitro diagnostics is advancing toward high-throughput, automation, and data-driven integration. The fusion of multi-omics data and deep learning models is expected to improve diagnostic accuracy and enable comprehensive diagnostic platforms. Key drivers include the accumulation of medical data, advancements in AI algorithms, supportive healthcare policies, and demand for efficient tools in primary care. However, challenges remain significant, including strict regulatory requirements, long clinical validation cycles, lack of data standardization, and concerns over privacy and ethics, which can slow commercialization.

Regarding profitability, AI in vitro diagnostics typically achieves relatively high gross margins, especially in reagents and service segments. Reagents benefit from recurring demand and strong margins, while AI-driven software and data services further enhance profitability. Hardware margins are pressured by high R&D and compliance costs but can improve with scale and platform strategies. Leading players maintain strong profitability due to technological barriers and channel advantages, while new entrants face high investment requirements and regulatory hurdles.

This report studies the global AI In Vitro Diagnostic demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI In Vitro Diagnostic, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of AI In Vitro Diagnostic that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AI In Vitro Diagnostic total market, 2021-2032, (USD Million)

Global AI In Vitro Diagnostic total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: AI In Vitro Diagnostic total market, key domestic companies, and share, (USD Million)

Global AI In Vitro Diagnostic revenue by player, revenue and market share 2021-2026, (USD Million)

Global AI In Vitro Diagnostic total market by Type, CAGR, 2021-2032, (USD Million)

Global AI In Vitro Diagnostic total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global AI In Vitro Diagnostic market based on

the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Roche, Hologic, Philips, Siemens Healthineers, Beckman Coulter Diagnostics, Leica Biosystems, Paige, Ibex Medical Analytics, Visiopharm, Indica Labs, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world AI In Vitro Diagnostic market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global AI In Vitro Diagnostic Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global AI In Vitro Diagnostic Market, Segmentation by Type:

Medical Imaging AI Analysis

Molecular Diagnostic AI

Biochemical and Immunological AI

Pathological Slide AI Analysis

Flow Cytometry AI Analysis

Global AI In Vitro Diagnostic Market, Segmentation by Test Sample:

Blood Sample Testing

Urine Sample Testing

Tissue Sample Testing

Body Fluid Sample Testing

Microbial Sample Testing

Global AI In Vitro Diagnostic Market, Segmentation by Detection Accuracy:

90-95%

95-99%

Above 99%

Global AI In Vitro Diagnostic Market, Segmentation by Application:

Tumor Early Screening and Diagnosis

Rapid Detection of Infectious Diseases

Cardiovascular Disease Diagnosis

Neurological Disease Diagnosis

Chronic Disease Management and Monitoring

Emergency and First Aid Rapid Detection

Companies Profiled:

Roche

Hologic

Philips

Siemens Healthineers

Beckman Coulter Diagnostics

Leica Biosystems

Paige

Ibex Medical Analytics

Visiopharm

Indica Labs

Aiforia Technologies

Mindpeak

3DHISTECH

Deep Bio

Fujifilm

Sysmex

LPIXEL

N Lab

Landing Med

PathoAI

Motic Digital Pathology

aetherAI

Key Questions Answered

1. How big is the global AI In Vitro Diagnostic market?
2. What is the demand of the global AI In Vitro Diagnostic market?
3. What is the year over year growth of the global AI In Vitro Diagnostic market?
4. What is the total value of the global AI In Vitro Diagnostic market?
5. Who are the Major Players in the global AI In Vitro Diagnostic market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 AI In Vitro Diagnostic Introduction
- 1.2 World AI In Vitro Diagnostic Market Size & Forecast (2021 & 2025 & 2032)
- 1.3 World AI In Vitro Diagnostic Total Market by Region (by Headquarter Location)
 - 1.3.1 World AI In Vitro Diagnostic Market Size by Region (2021-2032), (by Headquarter Location)
 - 1.3.2 United States Based Company AI In Vitro Diagnostic Revenue (2021-2032)
 - 1.3.3 China Based Company AI In Vitro Diagnostic Revenue (2021-2032)
 - 1.3.4 Europe Based Company AI In Vitro Diagnostic Revenue (2021-2032)
 - 1.3.5 Japan Based Company AI In Vitro Diagnostic Revenue (2021-2032)
 - 1.3.6 South Korea Based Company AI In Vitro Diagnostic Revenue (2021-2032)
 - 1.3.7 ASEAN Based Company AI In Vitro Diagnostic Revenue (2021-2032)
 - 1.3.8 India Based Company AI In Vitro Diagnostic Revenue (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 AI In Vitro Diagnostic Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Major Market Trends

2 DEMAND SUMMARY

- 2.1 World AI In Vitro Diagnostic Consumption Value (2021-2032)
- 2.2 World AI In Vitro Diagnostic Consumption Value by Region
 - 2.2.1 World AI In Vitro Diagnostic Consumption Value by Region (2021-2026)
 - 2.2.2 World AI In Vitro Diagnostic Consumption Value Forecast by Region (2027-2032)
- 2.3 United States AI In Vitro Diagnostic Consumption Value (2021-2032)
- 2.4 China AI In Vitro Diagnostic Consumption Value (2021-2032)
- 2.5 Europe AI In Vitro Diagnostic Consumption Value (2021-2032)
- 2.6 Japan AI In Vitro Diagnostic Consumption Value (2021-2032)
- 2.7 South Korea AI In Vitro Diagnostic Consumption Value (2021-2032)
- 2.8 ASEAN AI In Vitro Diagnostic Consumption Value (2021-2032)
- 2.9 India AI In Vitro Diagnostic Consumption Value (2021-2032)

3 WORLD AI IN VITRO DIAGNOSTIC COMPANIES COMPETITIVE ANALYSIS

- 3.1 World AI In Vitro Diagnostic Revenue by Player (2021-2026)
- 3.2 Industry Rank and Concentration Rate (CR)

- 3.2.1 Global AI In Vitro Diagnostic Industry Rank of Major Players
- 3.2.2 Global Concentration Ratios (CR4) for AI In Vitro Diagnostic in 2025
- 3.2.3 Global Concentration Ratios (CR8) for AI In Vitro Diagnostic in 2025
- 3.3 AI In Vitro Diagnostic Company Evaluation Quadrant
- 3.4 AI In Vitro Diagnostic Market: Overall Company Footprint Analysis
 - 3.4.1 AI In Vitro Diagnostic Market: Region Footprint
 - 3.4.2 AI In Vitro Diagnostic Market: Company Product Type Footprint
 - 3.4.3 AI In Vitro Diagnostic Market: Company Product Application Footprint
- 3.5 Competitive Environment
 - 3.5.1 Historical Structure of the Industry
 - 3.5.2 Barriers of Market Entry
 - 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)

- 4.1 United States VS China: AI In Vitro Diagnostic Revenue Comparison (by Headquarter Location)
 - 4.1.1 United States VS China: AI In Vitro Diagnostic Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)
 - 4.1.2 United States VS China: AI In Vitro Diagnostic Revenue Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States Based Companies VS China Based Companies: AI In Vitro Diagnostic Consumption Value Comparison
 - 4.2.1 United States VS China: AI In Vitro Diagnostic Consumption Value Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: AI In Vitro Diagnostic Consumption Value Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States Based AI In Vitro Diagnostic Companies and Market Share, 2021-2026
 - 4.3.1 United States Based AI In Vitro Diagnostic Companies, Headquarters (States, Country)
 - 4.3.2 United States Based Companies AI In Vitro Diagnostic Revenue, (2021-2026)
- 4.4 China Based Companies AI In Vitro Diagnostic Revenue and Market Share, 2021-2026
 - 4.4.1 China Based AI In Vitro Diagnostic Companies, Company Headquarters (Province, Country)
 - 4.4.2 China Based Companies AI In Vitro Diagnostic Revenue, (2021-2026)

4.5 Rest of World Based AI In Vitro Diagnostic Companies and Market Share, 2021-2026

4.5.1 Rest of World Based AI In Vitro Diagnostic Companies, Headquarters (Province, Country)

4.5.2 Rest of World Based Companies AI In Vitro Diagnostic Revenue (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World AI In Vitro Diagnostic Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Medical Imaging AI Analysis

5.2.2 Molecular Diagnostic AI

5.2.3 Biochemical and Immunological AI

5.2.4 Pathological Slide AI Analysis

5.2.5 Flow Cytometry AI Analysis

5.3 Market Segment by Type

5.3.1 World AI In Vitro Diagnostic Market Size by Type (2021-2026)

5.3.2 World AI In Vitro Diagnostic Market Size by Type (2027-2032)

5.3.3 World AI In Vitro Diagnostic Market Size Market Share by Type (2027-2032)

6 MARKET ANALYSIS BY TEST SAMPLE

6.1 World AI In Vitro Diagnostic Market Size Overview by Test Sample: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Test Sample

6.2.1 Blood Sample Testing

6.2.2 Urine Sample Testing

6.2.3 Tissue Sample Testing

6.2.4 Body Fluid Sample Testing

6.2.5 Microbial Sample Testing

6.3 Market Segment by Test Sample

6.3.1 World AI In Vitro Diagnostic Market Size by Test Sample (2021-2026)

6.3.2 World AI In Vitro Diagnostic Market Size by Test Sample (2027-2032)

6.3.3 World AI In Vitro Diagnostic Market Size Market Share by Test Sample (2027-2032)

7 MARKET ANALYSIS BY DETECTION ACCURACY

7.1 World AI In Vitro Diagnostic Market Size Overview by Detection Accuracy: 2021 VS

2025 VS 2032

7.2 Segment Introduction by Detection Accuracy

7.2.1 90-95%

7.2.2 95-99%

7.2.3 Above 99%

7.3 Market Segment by Detection Accuracy

7.3.1 World AI In Vitro Diagnostic Market Size by Detection Accuracy (2021-2026)

7.3.2 World AI In Vitro Diagnostic Market Size by Detection Accuracy (2027-2032)

7.3.3 World AI In Vitro Diagnostic Market Size Market Share by Detection Accuracy (2027-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World AI In Vitro Diagnostic Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Tumor Early Screening and Diagnosis

8.2.2 Rapid Detection of Infectious Diseases

8.2.3 Cardiovascular Disease Diagnosis

8.2.4 Neurological Disease Diagnosis

8.2.5 Chronic Disease Management and Monitoring

8.2.6 Emergency and First Aid Rapid Detection

8.3 Market Segment by Application

8.3.1 World AI In Vitro Diagnostic Market Size by Application (2021-2026)

8.3.2 World AI In Vitro Diagnostic Market Size by Application (2027-2032)

8.3.3 World AI In Vitro Diagnostic Market Size Market Share by Application (2021-2032)

9 COMPANY PROFILES

9.1 Roche

9.1.1 Roche Details

9.1.2 Roche Major Business

9.1.3 Roche AI In Vitro Diagnostic Product and Services

9.1.4 Roche AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.1.5 Roche Recent Developments/Updates

9.1.6 Roche Competitive Strengths & Weaknesses

9.2 Hologic

9.2.1 Hologic Details

9.2.2 Hologic Major Business

9.2.3 Hologic AI In Vitro Diagnostic Product and Services

9.2.4 Hologic AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.2.5 Hologic Recent Developments/Updates

9.2.6 Hologic Competitive Strengths & Weaknesses

9.3 Philips

9.3.1 Philips Details

9.3.2 Philips Major Business

9.3.3 Philips AI In Vitro Diagnostic Product and Services

9.3.4 Philips AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.3.5 Philips Recent Developments/Updates

9.3.6 Philips Competitive Strengths & Weaknesses

9.4 Siemens Healthineers

9.4.1 Siemens Healthineers Details

9.4.2 Siemens Healthineers Major Business

9.4.3 Siemens Healthineers AI In Vitro Diagnostic Product and Services

9.4.4 Siemens Healthineers AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.4.5 Siemens Healthineers Recent Developments/Updates

9.4.6 Siemens Healthineers Competitive Strengths & Weaknesses

9.5 Beckman Coulter Diagnostics

9.5.1 Beckman Coulter Diagnostics Details

9.5.2 Beckman Coulter Diagnostics Major Business

9.5.3 Beckman Coulter Diagnostics AI In Vitro Diagnostic Product and Services

9.5.4 Beckman Coulter Diagnostics AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.5.5 Beckman Coulter Diagnostics Recent Developments/Updates

9.5.6 Beckman Coulter Diagnostics Competitive Strengths & Weaknesses

9.6 Leica Biosystems

9.6.1 Leica Biosystems Details

9.6.2 Leica Biosystems Major Business

9.6.3 Leica Biosystems AI In Vitro Diagnostic Product and Services

9.6.4 Leica Biosystems AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.6.5 Leica Biosystems Recent Developments/Updates

9.6.6 Leica Biosystems Competitive Strengths & Weaknesses

9.7 Paige

- 9.7.1 Paige Details
- 9.7.2 Paige Major Business
- 9.7.3 Paige AI In Vitro Diagnostic Product and Services
- 9.7.4 Paige AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
- 9.7.5 Paige Recent Developments/Updates
- 9.7.6 Paige Competitive Strengths & Weaknesses
- 9.8 Ibex Medical Analytics
- 9.8.1 Ibex Medical Analytics Details
- 9.8.2 Ibex Medical Analytics Major Business
- 9.8.3 Ibex Medical Analytics AI In Vitro Diagnostic Product and Services
- 9.8.4 Ibex Medical Analytics AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
- 9.8.5 Ibex Medical Analytics Recent Developments/Updates
- 9.8.6 Ibex Medical Analytics Competitive Strengths & Weaknesses
- 9.9 Visiopharm
- 9.9.1 Visiopharm Details
- 9.9.2 Visiopharm Major Business
- 9.9.3 Visiopharm AI In Vitro Diagnostic Product and Services
- 9.9.4 Visiopharm AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
- 9.9.5 Visiopharm Recent Developments/Updates
- 9.9.6 Visiopharm Competitive Strengths & Weaknesses
- 9.10 Indica Labs
- 9.10.1 Indica Labs Details
- 9.10.2 Indica Labs Major Business
- 9.10.3 Indica Labs AI In Vitro Diagnostic Product and Services
- 9.10.4 Indica Labs AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
- 9.10.5 Indica Labs Recent Developments/Updates
- 9.10.6 Indica Labs Competitive Strengths & Weaknesses
- 9.11 Aiforia Technologies
- 9.11.1 Aiforia Technologies Details
- 9.11.2 Aiforia Technologies Major Business
- 9.11.3 Aiforia Technologies AI In Vitro Diagnostic Product and Services
- 9.11.4 Aiforia Technologies AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
- 9.11.5 Aiforia Technologies Recent Developments/Updates
- 9.11.6 Aiforia Technologies Competitive Strengths & Weaknesses

9.12 Mindpeak

9.12.1 Mindpeak Details

9.12.2 Mindpeak Major Business

9.12.3 Mindpeak AI In Vitro Diagnostic Product and Services

9.12.4 Mindpeak AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.12.5 Mindpeak Recent Developments/Updates

9.12.6 Mindpeak Competitive Strengths & Weaknesses

9.13 3DHISTECH

9.13.1 3DHISTECH Details

9.13.2 3DHISTECH Major Business

9.13.3 3DHISTECH AI In Vitro Diagnostic Product and Services

9.13.4 3DHISTECH AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.13.5 3DHISTECH Recent Developments/Updates

9.13.6 3DHISTECH Competitive Strengths & Weaknesses

9.14 Deep Bio

9.14.1 Deep Bio Details

9.14.2 Deep Bio Major Business

9.14.3 Deep Bio AI In Vitro Diagnostic Product and Services

9.14.4 Deep Bio AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.14.5 Deep Bio Recent Developments/Updates

9.14.6 Deep Bio Competitive Strengths & Weaknesses

9.15 Fujifilm

9.15.1 Fujifilm Details

9.15.2 Fujifilm Major Business

9.15.3 Fujifilm AI In Vitro Diagnostic Product and Services

9.15.4 Fujifilm AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.15.5 Fujifilm Recent Developments/Updates

9.15.6 Fujifilm Competitive Strengths & Weaknesses

9.16 Sysmex

9.16.1 Sysmex Details

9.16.2 Sysmex Major Business

9.16.3 Sysmex AI In Vitro Diagnostic Product and Services

9.16.4 Sysmex AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

9.16.5 Sysmex Recent Developments/Updates

- 9.16.6 Sysmex Competitive Strengths & Weaknesses
- 9.17 LPIXEL
 - 9.17.1 LPIXEL Details
 - 9.17.2 LPIXEL Major Business
 - 9.17.3 LPIXEL AI In Vitro Diagnostic Product and Services
 - 9.17.4 LPIXEL AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
 - 9.17.5 LPIXEL Recent Developments/Updates
 - 9.17.6 LPIXEL Competitive Strengths & Weaknesses
- 9.18 N Lab
 - 9.18.1 N Lab Details
 - 9.18.2 N Lab Major Business
 - 9.18.3 N Lab AI In Vitro Diagnostic Product and Services
 - 9.18.4 N Lab AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
 - 9.18.5 N Lab Recent Developments/Updates
 - 9.18.6 N Lab Competitive Strengths & Weaknesses
- 9.19 Landing Med
 - 9.19.1 Landing Med Details
 - 9.19.2 Landing Med Major Business
 - 9.19.3 Landing Med AI In Vitro Diagnostic Product and Services
 - 9.19.4 Landing Med AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
 - 9.19.5 Landing Med Recent Developments/Updates
 - 9.19.6 Landing Med Competitive Strengths & Weaknesses
- 9.20 PathoAI
 - 9.20.1 PathoAI Details
 - 9.20.2 PathoAI Major Business
 - 9.20.3 PathoAI AI In Vitro Diagnostic Product and Services
 - 9.20.4 PathoAI AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
 - 9.20.5 PathoAI Recent Developments/Updates
 - 9.20.6 PathoAI Competitive Strengths & Weaknesses
- 9.21 Motic Digital Pathology
 - 9.21.1 Motic Digital Pathology Details
 - 9.21.2 Motic Digital Pathology Major Business
 - 9.21.3 Motic Digital Pathology AI In Vitro Diagnostic Product and Services
 - 9.21.4 Motic Digital Pathology AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)

- 9.21.5 Motic Digital Pathology Recent Developments/Updates
- 9.21.6 Motic Digital Pathology Competitive Strengths & Weaknesses
- 9.22 aetherAI
 - 9.22.1 aetherAI Details
 - 9.22.2 aetherAI Major Business
 - 9.22.3 aetherAI AI In Vitro Diagnostic Product and Services
 - 9.22.4 aetherAI AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026)
 - 9.22.5 aetherAI Recent Developments/Updates
 - 9.22.6 aetherAI Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 AI In Vitro Diagnostic Industry Chain
- 10.2 AI In Vitro Diagnostic Upstream Analysis
- 10.3 AI In Vitro Diagnostic Midstream Analysis
- 10.4 AI In Vitro Diagnostic Downstream Analysis

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World AI In Vitro Diagnostic Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Table 2. World AI In Vitro Diagnostic Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)

Table 3. World AI In Vitro Diagnostic Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)

Table 4. World AI In Vitro Diagnostic Revenue Market Share by Region (2021-2026), (by Headquarter Location)

Table 5. World AI In Vitro Diagnostic Revenue Market Share by Region (2027-2032), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World AI In Vitro Diagnostic Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)

Table 8. World AI In Vitro Diagnostic Consumption Value by Region (2021-2026) & (USD Million)

Table 9. World AI In Vitro Diagnostic Consumption Value Forecast by Region (2027-2032) & (USD Million)

Table 10. World AI In Vitro Diagnostic Revenue by Player (2021-2026) & (USD Million)

Table 11. Revenue Market Share of Key AI In Vitro Diagnostic Players in 2025

Table 12. World AI In Vitro Diagnostic Industry Rank of Major Player, Based on Revenue in 2025

Table 13. Global AI In Vitro Diagnostic Company Evaluation Quadrant

Table 14. Head Office of Key AI In Vitro Diagnostic Players

Table 15. AI In Vitro Diagnostic Market: Company Product Type Footprint

Table 16. AI In Vitro Diagnostic Market: Company Product Application Footprint

Table 17. AI In Vitro Diagnostic Mergers & Acquisitions Activity

Table 18. United States VS China AI In Vitro Diagnostic Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 19. United States VS China AI In Vitro Diagnostic Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 20. United States Based AI In Vitro Diagnostic Companies, Headquarters (States, Country)

Table 21. United States Based Companies AI In Vitro Diagnostic Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies AI In Vitro Diagnostic Revenue Market

Share (2021-2026)

Table 23. China Based AI In Vitro Diagnostic Companies, Headquarters (Province, Country)

Table 24. China Based Companies AI In Vitro Diagnostic Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies AI In Vitro Diagnostic Revenue Market Share (2021-2026)

Table 26. Rest of World Based AI In Vitro Diagnostic Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies AI In Vitro Diagnostic Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies AI In Vitro Diagnostic Revenue Market Share (2021-2026)

Table 29. World AI In Vitro Diagnostic Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World AI In Vitro Diagnostic Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World AI In Vitro Diagnostic Market Size by Type (2027-2032) & (USD Million)

Table 32. World AI In Vitro Diagnostic Market Size by Test Sample, (USD Million), 2021 & 2025 & 2032

Table 33. World AI In Vitro Diagnostic Market Size Value by Test Sample (2021-2026) & (USD Million)

Table 34. World AI In Vitro Diagnostic Market Size by Test Sample (2027-2032) & (USD Million)

Table 35. World AI In Vitro Diagnostic Market Size by Detection Accuracy, (USD Million), 2021 & 2025 & 2032

Table 36. World AI In Vitro Diagnostic Market Size Value by Detection Accuracy (2021-2026) & (USD Million)

Table 37. World AI In Vitro Diagnostic Market Size by Detection Accuracy (2027-2032) & (USD Million)

Table 38. World AI In Vitro Diagnostic Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 39. World AI In Vitro Diagnostic Market Size by Application (2021-2026) & (USD Million)

Table 40. World AI In Vitro Diagnostic Market Size by Application (2027-2032) & (USD Million)

Table 41. Roche Basic Information, Manufacturing Base and Competitors

Table 42. Roche Major Business

Table 43. Roche AI In Vitro Diagnostic Product and Services

Table 44. Roche AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 45. Roche Recent Developments/Updates

Table 46. Roche Competitive Strengths & Weaknesses

Table 47. Hologic Basic Information, Manufacturing Base and Competitors

Table 48. Hologic Major Business

Table 49. Hologic AI In Vitro Diagnostic Product and Services

Table 50. Hologic AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 51. Hologic Recent Developments/Updates

Table 52. Hologic Competitive Strengths & Weaknesses

Table 53. Philips Basic Information, Manufacturing Base and Competitors

Table 54. Philips Major Business

Table 55. Philips AI In Vitro Diagnostic Product and Services

Table 56. Philips AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 57. Philips Recent Developments/Updates

Table 58. Philips Competitive Strengths & Weaknesses

Table 59. Siemens Healthineers Basic Information, Manufacturing Base and Competitors

Table 60. Siemens Healthineers Major Business

Table 61. Siemens Healthineers AI In Vitro Diagnostic Product and Services

Table 62. Siemens Healthineers AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 63. Siemens Healthineers Recent Developments/Updates

Table 64. Siemens Healthineers Competitive Strengths & Weaknesses

Table 65. Beckman Coulter Diagnostics Basic Information, Manufacturing Base and Competitors

Table 66. Beckman Coulter Diagnostics Major Business

Table 67. Beckman Coulter Diagnostics AI In Vitro Diagnostic Product and Services

Table 68. Beckman Coulter Diagnostics AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 69. Beckman Coulter Diagnostics Recent Developments/Updates

Table 70. Beckman Coulter Diagnostics Competitive Strengths & Weaknesses

Table 71. Leica Biosystems Basic Information, Manufacturing Base and Competitors

Table 72. Leica Biosystems Major Business

Table 73. Leica Biosystems AI In Vitro Diagnostic Product and Services

Table 74. Leica Biosystems AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 75. Leica Biosystems Recent Developments/Updates
Table 76. Leica Biosystems Competitive Strengths & Weaknesses
Table 77. Paige Basic Information, Manufacturing Base and Competitors
Table 78. Paige Major Business
Table 79. Paige AI In Vitro Diagnostic Product and Services
Table 80. Paige AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 81. Paige Recent Developments/Updates
Table 82. Paige Competitive Strengths & Weaknesses
Table 83. Ibex Medical Analytics Basic Information, Manufacturing Base and Competitors
Table 84. Ibex Medical Analytics Major Business
Table 85. Ibex Medical Analytics AI In Vitro Diagnostic Product and Services
Table 86. Ibex Medical Analytics AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 87. Ibex Medical Analytics Recent Developments/Updates
Table 88. Ibex Medical Analytics Competitive Strengths & Weaknesses
Table 89. Visiopharm Basic Information, Manufacturing Base and Competitors
Table 90. Visiopharm Major Business
Table 91. Visiopharm AI In Vitro Diagnostic Product and Services
Table 92. Visiopharm AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 93. Visiopharm Recent Developments/Updates
Table 94. Visiopharm Competitive Strengths & Weaknesses
Table 95. Indica Labs Basic Information, Manufacturing Base and Competitors
Table 96. Indica Labs Major Business
Table 97. Indica Labs AI In Vitro Diagnostic Product and Services
Table 98. Indica Labs AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 99. Indica Labs Recent Developments/Updates
Table 100. Indica Labs Competitive Strengths & Weaknesses
Table 101. Aiforia Technologies Basic Information, Manufacturing Base and Competitors
Table 102. Aiforia Technologies Major Business
Table 103. Aiforia Technologies AI In Vitro Diagnostic Product and Services
Table 104. Aiforia Technologies AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 105. Aiforia Technologies Recent Developments/Updates
Table 106. Aiforia Technologies Competitive Strengths & Weaknesses

Table 107. Mindpeak Basic Information, Manufacturing Base and Competitors
Table 108. Mindpeak Major Business
Table 109. Mindpeak AI In Vitro Diagnostic Product and Services
Table 110. Mindpeak AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 111. Mindpeak Recent Developments/Updates
Table 112. Mindpeak Competitive Strengths & Weaknesses
Table 113. 3DHISTECH Basic Information, Manufacturing Base and Competitors
Table 114. 3DHISTECH Major Business
Table 115. 3DHISTECH AI In Vitro Diagnostic Product and Services
Table 116. 3DHISTECH AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 117. 3DHISTECH Recent Developments/Updates
Table 118. 3DHISTECH Competitive Strengths & Weaknesses
Table 119. Deep Bio Basic Information, Manufacturing Base and Competitors
Table 120. Deep Bio Major Business
Table 121. Deep Bio AI In Vitro Diagnostic Product and Services
Table 122. Deep Bio AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 123. Deep Bio Recent Developments/Updates
Table 124. Deep Bio Competitive Strengths & Weaknesses
Table 125. Fujifilm Basic Information, Manufacturing Base and Competitors
Table 126. Fujifilm Major Business
Table 127. Fujifilm AI In Vitro Diagnostic Product and Services
Table 128. Fujifilm AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 129. Fujifilm Recent Developments/Updates
Table 130. Fujifilm Competitive Strengths & Weaknesses
Table 131. Sysmex Basic Information, Manufacturing Base and Competitors
Table 132. Sysmex Major Business
Table 133. Sysmex AI In Vitro Diagnostic Product and Services
Table 134. Sysmex AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)
Table 135. Sysmex Recent Developments/Updates
Table 136. Sysmex Competitive Strengths & Weaknesses
Table 137. LPIXEL Basic Information, Manufacturing Base and Competitors
Table 138. LPIXEL Major Business
Table 139. LPIXEL AI In Vitro Diagnostic Product and Services
Table 140. LPIXEL AI In Vitro Diagnostic Revenue, Gross Margin and Market Share

(2021-2026) & (USD Million)

Table 141. LPIXEL Recent Developments/Updates

Table 142. LPIXEL Competitive Strengths & Weaknesses

Table 143. N Lab Basic Information, Manufacturing Base and Competitors

Table 144. N Lab Major Business

Table 145. N Lab AI In Vitro Diagnostic Product and Services

Table 146. N Lab AI In Vitro Diagnostic Revenue, Gross Margin and Market Share

(2021-2026) & (USD Million)

Table 147. N Lab Recent Developments/Updates

Table 148. N Lab Competitive Strengths & Weaknesses

Table 149. Landing Med Basic Information, Manufacturing Base and Competitors

Table 150. Landing Med Major Business

Table 151. Landing Med AI In Vitro Diagnostic Product and Services

Table 152. Landing Med AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 153. Landing Med Recent Developments/Updates

Table 154. Landing Med Competitive Strengths & Weaknesses

Table 155. PathoAI Basic Information, Manufacturing Base and Competitors

Table 156. PathoAI Major Business

Table 157. PathoAI AI In Vitro Diagnostic Product and Services

Table 158. PathoAI AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 159. PathoAI Recent Developments/Updates

Table 160. PathoAI Competitive Strengths & Weaknesses

Table 161. Motic Digital Pathology Basic Information, Manufacturing Base and Competitors

Table 162. Motic Digital Pathology Major Business

Table 163. Motic Digital Pathology AI In Vitro Diagnostic Product and Services

Table 164. Motic Digital Pathology AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 165. Motic Digital Pathology Recent Developments/Updates

Table 166. Motic Digital Pathology Competitive Strengths & Weaknesses

Table 167. aetherAI Basic Information, Manufacturing Base and Competitors

Table 168. aetherAI Major Business

Table 169. aetherAI AI In Vitro Diagnostic Product and Services

Table 170. aetherAI AI In Vitro Diagnostic Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 171. aetherAI Recent Developments/Updates

Table 172. aetherAI Competitive Strengths & Weaknesses

Table 173. Global Key Players of AI In Vitro Diagnostic Upstream (Raw Materials)

Table 174. Global AI In Vitro Diagnostic Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. AI In Vitro Diagnostic Picture

Figure 2. World AI In Vitro Diagnostic Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World AI In Vitro Diagnostic Total Revenue (2021-2032) & (USD Million)

Figure 4. World AI In Vitro Diagnostic Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World AI In Vitro Diagnostic Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company AI In Vitro Diagnostic Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company AI In Vitro Diagnostic Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company AI In Vitro Diagnostic Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company AI In Vitro Diagnostic Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company AI In Vitro Diagnostic Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company AI In Vitro Diagnostic Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company AI In Vitro Diagnostic Revenue (2021-2032) & (USD Million)

Figure 13. AI In Vitro Diagnostic Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World AI In Vitro Diagnostic Consumption Value (2021-2032) & (USD Million)

Figure 16. World AI In Vitro Diagnostic Consumption Value Market Share by Region (2021-2032)

Figure 17. United States AI In Vitro Diagnostic Consumption Value (2021-2032) & (USD Million)

Figure 18. China AI In Vitro Diagnostic Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe AI In Vitro Diagnostic Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan AI In Vitro Diagnostic Consumption Value (2021-2032) & (USD Million)

Figure 21. South Korea AI In Vitro Diagnostic Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN AI In Vitro Diagnostic Consumption Value (2021-2032) & (USD Million)

Figure 23. India AI In Vitro Diagnostic Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of AI In Vitro Diagnostic by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for AI In Vitro Diagnostic Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for AI In Vitro Diagnostic Markets in 2025

Figure 27. United States VS China: AI In Vitro Diagnostic Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: AI In Vitro Diagnostic Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World AI In Vitro Diagnostic Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World AI In Vitro Diagnostic Market Size Market Share by Type in 2025

Figure 31. Medical Imaging AI Analysis

Figure 32. Molecular Diagnostic AI

Figure 33. Biochemical and Immunological AI

Figure 34. Pathological Slide AI Analysis

Figure 35. Flow Cytometry AI Analysis

Figure 36. World AI In Vitro Diagnostic Market Size Market Share by Type (2021-2032)

Figure 37. World AI In Vitro Diagnostic Market Size by Test Sample, (USD Million), 2021 & 2025 & 2032

Figure 38. World AI In Vitro Diagnostic Market Size Market Share by Test Sample in 2025

Figure 39. Blood Sample Testing

Figure 40. Urine Sample Testing

Figure 41. Tissue Sample Testing

Figure 42. Body Fluid Sample Testing

Figure 43. Microbial Sample Testing

Figure 44. World AI In Vitro Diagnostic Market Size Market Share by Test Sample (2021-2032)

Figure 45. World AI In Vitro Diagnostic Market Size by Detection Accuracy, (USD Million), 2021 & 2025 & 2032

Figure 46. World AI In Vitro Diagnostic Market Size Market Share by Detection Accuracy in 2025

Figure 47. 90-95%

Figure 48. 95-99%

Figure 49. Above 99%

Figure 50. World AI In Vitro Diagnostic Market Size Market Share by Detection Accuracy (2021-2032)

Figure 51. World AI In Vitro Diagnostic Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 52. World AI In Vitro Diagnostic Market Size Market Share by Application in 2025

Figure 53. Tumor Early Screening and Diagnosis

Figure 54. Rapid Detection of Infectious Diseases

Figure 55. Cardiovascular Disease Diagnosis

Figure 56. Neurological Disease Diagnosis

Figure 57. Chronic Disease Management and Monitoring

Figure 58. Emergency and First Aid Rapid Detection

Figure 59. World AI In Vitro Diagnostic Market Size Market Share by Application (2021-2032)

Figure 60. AI In Vitro Diagnostic Industrial Chain

Figure 61. Methodology

Figure 62. Research Process and Data Source

I would like to order

Product name: Global AI In Vitro Diagnostic Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GB698653D98AEN.html>

Price: US\$ 4,480.00 (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/GB698653D98AEN.html>