

Digital Cell Morphology System Market to Exceed US \$3.16 Billion by 2029, with 10.8% CAGR: The Business Research Company

The Business Research Company's Digital Cell Morphology System Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, September 11, 2025
/EINPresswire.com/ -- "Get 30% Off All Global Market Reports With Code ONLINE30 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors

The Business
Research Company

Digital Cell Morphology System Global Market Report 2025

What Is The Forecast For The [Digital Cell Morphology System Market](#) From 2024 To 2029?

In recent times, the market size for the digital cell morphology system has seen a swift

“

Get 30% Off All Global Market Reports With Code ONLINE30 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors”

The Business Research Company

expansion. This market is forecasted to surge from \$1.89 billion in 2024 to \$2.10 billion in 2025, with a compound annual growth rate (CAGR) of 11.1%. Factors influencing growth during the historic period include increased use of hematology analyzers, a growing necessity for efficient laboratory workflow, heightened awareness about early disease detection, rising prevalence of infectious and chronic diseases, and the requirement for standardized diagnostic methods.

Expectations are high for the swift expansion of the market

size of digital cell morphology systems in the coming years, with a projected growth to \$3.16 billion by 2029, boasting a compound annual growth rate (CAGR) of 10.7%. Factors contributing to this predicted growth over the forecast period include the increasing incidence of hematological disorders, burgeoning demand for laboratory automation, the necessity of remote and digital pathology solutions, a rising elderly population, and a growing healthcare infrastructure. The forecast period also anticipates several primary trends, such as the incorporation of artificial intelligence for automated cell categorization, the creation of high-

speed image processing algorithms, merging with laboratory information systems, employing machine learning for preemptive diagnosis, the downsizing of imaging hardware, and the evolution of multi-modal imaging platforms.

Download a free sample of the digital cell morphology system market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=27276&type=smp>

What Are The Core Growth Drivers Shaping The Future Of The Digital Cell Morphology System Market?

The rising occurrence of blood-related disorders is anticipated to fuel the expansion of the digital cell morphology system market in the future. These ailments, which include anemia, leukemia, and clotting abnormalities, affect the blood, bone marrow, and lymph system. The frequency of these hematological disorders is growing, largely fueled by the increasing instances of chronic diseases that directly impact blood health and necessitates constant monitoring. Digital cell morphology systems are instrumental in diagnosing these disorders by offering accurate and automated analysis of blood cell images, thus enabling precise classification. These systems increase laboratory productivity by lessening manual review, ensuring more consistency, and expediting clinical decision-making. As an illustration, the Perth Blood Institute, a non-profit organization based in Australia, reported in April 2024 that the number of individuals diagnosed with hemophilia (a hereditary blood disease characterized by the blood's lack of proper clotting factors, leading to extended bleeding) had surged to 257,146 in 2022, up from 233,577 in 2021. Hence, the escalating prevalence of hematological disorders is contributing significantly to the growth of the digital cell morphology system market.

Which Companies Are Currently Leading In The Digital Cell Morphology System Market?

Major players in the Digital Cell Morphology System Global Market Report 2025 include:

- F. Hoffmann-La Roche AG
- Thermo Fisher Scientific Inc.
- Abbott Laboratories
- Danaher Corporation
- Merck KGaA
- Siemens Healthineers AG
- Becton Dickinson and Company
- Agilent Technologies Inc.
- Mindray Medical International Limited
- Nikon Corporation

What Are The Main Trends, Positively Impacting The Growth Of Digital Cell Morphology System Market?

Leading corporations in the digital cell morphology system sector are zeroing in on creating cutting-edge products, for example, AI-powered image analyzers, with the intent to elevate diagnostic speed and precision. AI-powered image analyzers are devices that harness artificial intelligence to automatically decipher and derive insights from digital imagery. This enhances the

speed, consistency, and accuracy of assessments. As an example, in July 2025, Scpio Labs Ltd., a medical device manufacturing company headquartered in Israel, introduced the complete blood morphology (CBM) analyzer. This automated AI-powered image analyzer, specifically designed for peripheral blood smear analysis, uses full-field imaging technology to independently assess up to 10 times the number of cells compared with traditional methods. Moreover, it presents the possibility of creating new morphology-centered biomarkers and diagnostic panels, which could lead to earlier disease identification and real-time monitoring of patients. This trailblazing invention addresses vital challenges like global deficits of skilled laboratory technologists, inconsistencies in manual analysis, and the growing demand for diagnostics.

Comparative Analysis Of Leading [Digital Cell Morphology System Market Segments](#)

The digital cell morphology system market covered in this report is segmented

- 1) By Product Type: Cell Imaging Systems, Cell Analysis Systems, Accessories And Consumables
- 2) By Technology: Microscopy, Flow Cytometry, Image Processing Software
- 3) By Distribution Channel: Direct Sales, Distributors, Online Sales
- 4) By Application: Hematology, Oncology, Infectious Diseases, Other Applications
- 5) By End-User: Academic And Research Institutes, Hospitals And Clinical Laboratories, Biotechnology And Pharmaceutical Companies

Subsegments:

- 1) By Cell Imaging Systems: Digital Microscopes, Fluorescence Microscopes, Full-Field Digital Imaging Systems, Automated Slide Scanners, High-Content Screening Systems
- 2) By Cell Analysis Systems: Flow Cytometers, Hematology Analyzers, Morphology Analyzers, Spectrophotometers, Cell Counters
- 3) By Accessories And Consumables: Reagents and Stains, Sample Preparation Kits, Slides and Cover Slips, Imaging Plates, Cell Fixatives

View the full digital cell morphology system market report:

<https://www.thebusinessresearchcompany.com/report/digital-cell-morphology-system-global-market-report>

Which Regions Are Dominating The Digital Cell Morphology System Market Landscape?

In the Digital Cell Morphology System Global Market Report 2025, North America led as the largest market in 2024. However, it is predicted that the most rapid growth will be seen in the Asia-Pacific region during the forecast period. The report encompasses a variety of regions which include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

Browse Through More Reports Similar to the Global Digital Cell Morphology System Market 2025, By [The Business Research Company](#)

Naphthalene Sulfonate Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/naphthalene-sulfonate-global-market->

[report](#)

Fatty Methyl Ester Sulfonate Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/fatty-methyl-ester-sulfonate-global-market-report>

Vinyl Sulfone Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/vinyl-sulfone-global-market-report>

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

Follow Us On:

• LinkedIn: <https://in.linkedin.com/company/the-business-research-company>"

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/847691676>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.