

# Molecular Cytogenetics Global Market 2024 To Reach \$4.24 Billion By 2028 At Rate Of 9.7%

*The Business Research Company's  
Molecular Cytogenetics Global Market  
Report 2024 – Market Size, Trends, And  
Global Forecast 2024-2033*

LONDON, GREATER LONDON, UK,  
August 13, 2024 /EINPresswire.com/ --  
The [molecular cytogenetics market](#) has  
experienced robust growth in recent  
years, expanding from \$2.65 billion in

2023 to \$2.93 billion in 2024 at a compound annual growth rate (CAGR) of 10.4%. The growth in the historic period can be attributed to rise in genetic disorders and cancer cases, growing demand for personalized medicine, research and development in life sciences, clinical applications for prenatal and postnatal diagnosis, global initiatives in genomic medicine.



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## Strong Future Growth Anticipated

The molecular cytogenetics market is projected to continue its strong growth, reaching \$4.24 billion in 2028 at a compound annual growth rate (CAGR) of 9.7%. The growth in the forecast period can be attributed to emergence of next-generation sequencing (NGS), increased focus on liquid biopsies, growing application in cancer research,

expanding applications in infectious disease diagnosis, rapid growth in genetic testing services.

Explore Comprehensive Insights Into The Global Molecular Cytogenetics Market With A Detailed Sample Report:

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## Growth Driver Of The Molecular Cytogenetics Market

The increasing incidence of genetic disorders and cancer is expected to drive the growth of the molecular cytogenetics market going forward. Cancer refers to a disease in which the body's cells grow uncontrollably and spread to other parts of the body. Cytogenetics testing samples of tissue and blood are used for changes in chromosomes, such as broken, missing, or rearranged chromosomes. Changes in certain chromosomes are a sign of a genetic disease, condition, or



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some types of cancer. Hence, the increasing incidence of genetic disorders and cancer will propel the growth of the market.

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### Major Players And Market Trends

Key players in the molecular cytogenetics market include Abbott Laboratories, Agilent Technologies Inc., Applied Spectral Imaging, CytoTest Inc., Danaher Corporation, Illumina Inc., PerkinElmer Inc.

Product innovations are a key trend gaining popularity in the molecular cytogenetics market. Major Companies operating in the molecular cytogenetics market are adopting new technologies to strengthen their position in the market.

### Segments:

- 1) By Product: Instruments, Kits And Reagents, Software, Services, Consumables Or Accessories
- 2) By Technology: Comparative Genomic Hybridization, Fluorescence In Situ Hybridization, Immunohistochemistry, Karyotyping, Other Technologies
- 3) By Application: Genetic Disorders, Cancer, Personalized Medicines, Other Applications
- 4) By End-User: Clinical And Research Laboratories, Academic Research Institutes, Pharmaceutical, Biotechnology Companies, Other End-Users

### Geographical Insights: North America Leading The Market

North America was the largest region in the molecular cytogenetics market in 2023. Asia-Pacific is expected to be the fastest-growing region in the global molecular cytogenetics market report during the forecast period. The regions covered in the molecular cytogenetics market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa

### Molecular Cytogenetics Market Definition

Molecular cytogenetics refers to a set of techniques that operate with the entire genome or with specific targeted DNA sequences. It includes the structural and functional organization of the chromosome and nucleus, genome variation, expression, evolution, chromosome abnormalities, and genomic variations in the context of medical genetics and tumor genetics.

Molecular Cytogenetics Global Market Report 2024 from The Business Research Company covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Molecular Cytogenetics Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on [molecular cytogenetics market size](#), molecular cytogenetics market drivers and trends, molecular cytogenetics market major players, molecular cytogenetics competitors' revenues, molecular cytogenetics market positioning, and molecular cytogenetics market growth across geographies. The molecular cytogenetics market report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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The Business Research Company has published over 15000+ reports in 27 industries, spanning 60+ geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

Contact Information

The Business Research Company

Europe: +44 207 1930 708

Asia: +91 8897263534

Americas: +1 315 623 0293

Oliver Guirdham

The Business Research Company

+44 20 7193 0708

[email us here](#)

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