

Genomics And Proteomics Reagents, Research Kits and Analytical Instruments Market - Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2013 – 2019

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REPORT DESCRIPTION

Genomics and Proteomics Reagents, Research Kits and Analytical Instruments Market is Expected to Grow to USD 52.3 Billion Globally by 2019: Transparency Market Research

Transparency Market Research published new market report "**Genomics and Proteomics Reagents, Research Kits and Analytical Instruments Market (Sample Preparation, Electrophoresis, BioChips and Microarrays, Chromatography, Mass Spectrometry, Thermal Cyclers, Next-Gen Sequencing) - Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2013 - 2019**," in 2012, the global genomics and proteomics reagents, research kits and analytical instruments market was valued at USD 23.8 billion and is expected to grow at a CAGR of 12.1% from 2013 to 2019, to reach an estimated value of USD 52.3 billion in 2019.

The global genomics and proteomics market is expected to experience a growth in revenues at a CAGR of 12.1% during the forecast period, mainly due to exponential growth in preclinical and clinical research in drug discovery and disease identification. Since global incidence rates of cancer, diabetes and genetic diseases are on a rise, the market revenue growth is inevitable. Moreover, other emerging applications such as forensics and

agriculture are also contributing to the growth which in turn has increased the number of research projects all over the world particularly in genomics. Proteomics has grown with increasing interest in protein mutations due to changes in genome and has given rise to a unique field of proteogenomics which is carving a commercial position for itself.

Browse the full report at

<http://www.transparencymarketresearch.com/proteomics-market.html>

Genomics and proteomics reached a major milestone after the completion of Human Genome project in 2001. During the process, the research industry realized the need for affordable methods to sequence genomes of other organisms as well. This led to a revolution in life science analytical research tools and technologies such as thermal cyclers, mass spectrometry, and gel electrophoresis. An impressive genome database of various organisms is available today for researchers through various sources such as gene banks. Advancing technology and miniaturization of memory devices in electronics and semiconductors has also played a very significant role in creating this accomplishment. Several rare and unknown diseases such as autism, Alzheimer's along with high incidence diseases such as cancer and diabetes are currently being addressed through these technologies by drug discovery, disease identification and structural dynamics of proteins.

A large fragmented market indicates high competitive pricing and no loss in quality of products, thus buyers have multiple options to choose from. Unique software for each application and company specified reagents for machines have reduced the negotiating power of buyers as companies do not guarantee good results without usage of company recommended reagents or software solutions. Customer loyalty is very low as researchers are keen to experiment with different products that may yield better results. A high number of acquisitions and mergers in the field of biotechnology indicate the nature of the market. New technological innovations are taking place on a regular basis. Patenting these products and commercializing them is a challenging task for new entrants in the face of giants such as Agilent, Thermo-Scientific, Waters and other players. Thus joint ventures and collaborations with existing players give an excellent platform for new entrants to expand in this field. The threat of new entrants is high and is expected to remain so throughout the forecast period.

Key players leading the genomics and proteomics market are Thermo Fisher Scientific, Agilent Technologies, Life Technologies, Qiagen and Illumina. Intense competition has lowered prices for all types of technologies and is expected to continue further.

Miniaturization of technologies such as lab-on-a-chip, biochip and microarray lead the research along with miniaturization of other analytical instruments such as portable mass spectrometers and thermal cyclers.

North America was the largest regional market by revenue in 2012, due to regular breakthrough innovations in technology that have been introduced in several genomic and proteomic areas. Continued investment in healthcare and medical research is another factor

responsible for steady growth in North America. Asia-Pacific and Latin America are expected to show the fastest growth through the forecast period.

The global genomics and proteomics market is segmented into the following categories:

Genomics and Proteomics Market, by Reagent and Research Kits

- **Sample Preparation Kits**
 - Prepackaged Sample Preparation Kits for PCR
 - Prepackaged Sample Preparation Kits for Chromatography
 - Prepackaged Sample Preparation Kits for Mass Spectrometry
 - Prepackaged Sample Preparation Kits for Electrophoresis
- **Purification Kits**
- **Electrophoresis Kits**
 - Capillary Electrophoresis
 - Gel Electrophoresis
- **BioChips and Microarrays**
 - DNA BioChips and Microarrays
 - Protein and Peptide BioChips and Microarrays

Genomics and Proteomics Market, by Analytical Instruments

- **Chromatography**
 - Gas Chromatography
 - Liquid Chromatography
- **Mass Spectrometry, by Analyzers**
 - Tandem Mass Spectrometry
 - Time-Of-Flight Mass Spectrometry
 - Quadrupole Mass Spectrometry
 - Fourier Transform Mass Spectrometry
 - Others (Magnetic Sector, Orbitrap, Ion Trap)

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- **Thermal Cyclers**
 - Digital Thermal Cyclers
 - Conventional or Traditional Thermal Cyclers
 - Real-Time Thermal Cyclers
- **Next Generation Sequencing**

Genomics and Proteomics Market, by Geography

- North America
- Europe
- Asia-Pacific
- Rest of the World ([RoW](#))

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