

Genotyping Market is estimated to be US\$ 70.76 billion by 2030 with a CAGR of 19.80% during the forecast period

Genotyping Market accounted for US\$ 11.8 billion in 2020 and is estimated to be US\$ 70.76 billion by 2030 and is anticipated to register a CAGR of 19.8%. Genotyping is the technique of discovering differences in an individual's genetic make-up (genotype) by utilising biological assays to examine the individual's DNA sequence and comparing it to that of another individual or a reference sequence. It shows which alleles a person got from their parents. [1] Genotyping is the process of using DNA sequences to identify biological populations using molecular technologies. It usually does not entail determining an individual's genes.

The report " Global Genotyping Market, By Product (Genotyping Instruments, Genotyping Reagents & Kits, and Genotyping Services), By Technology (PCR, Capillary Electrophoresis, Mass Spectrometry, Sequencing, and Microarray), By Application (Diagnostics, Drug Discovery & Development, Personalized Medicine, Academic Research, and Agriculture), and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Trends, Analysis and Forecast till 2029"

Key Highlights:

- In 2021, CGIAR Excellence in Breeding has released new low-cost, high-throughput genotyping services, putting CGIAR and national breeding programmes in a better position to supply important agricultural varieties.
- In 2021, Soy SNPro™ has been launched by NRGene, a global pioneer in AI-based genomic analysis for research and agricultural breeding. This is the first in a series of pre-designed SNP sets for genotyping (DNA tests) of diverse crops that will boost breeding programme efficiency dramatically.

Analyst View:

Miniaturization, automation, and lower total costs have all been enabled by technological improvements, as well as operational flexibility and the introduction of multi-parameter testing. All of this has aided in expanding the uses and convenience of DNA sequencing, allowing clinicians to concentrate on higher-level decisions such as selecting and prioritizing therapeutic targets through various genotyping studies. This has enhanced the use of PCR, sequencing, capillary electrophoresis, and microarrays in domains including drug development and clinical research. Furthermore, technology developments in DNA sequencing, such as next-generation sequencing (NGS), have enabled speedy, accurate sequencing, allowing for great productivity.

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Key Market Insights from the report:

Global Genotyping Market accounted for US\$ 11.8 billion in 2020 and is estimated to be US\$ 70.76 billion by 2030 and is anticipated to register a CAGR of 19.8%. The global genotyping market is segmented based on product, technology, application, and region.

- Based on Product Type, Global Genotyping Market is segmented into Genotyping Instruments, Genotyping Reagents & Kits, and Genotyping Services.
- Based on Technology, Global Genotyping Market is segmented into PCR, Capillary Electrophoresis, Mass Spectrometry, Sequencing, and Microarray.
- Based on Application, Global Genotyping Market is segmented into Diagnostics, Drug Discovery & Development, Personalized Medicine, Academic Research, and Agriculture.
- By Region, the Global Genotyping Market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East & Africa.

Competitive Landscape & their strategies of Global Genotyping Market:

The key players operating in the genotyping market are GE Healthcare, Affymetrix, Inc., Beckman Coulter, Inc., Agilent Technologies, Inc., Fluidigm Corporation, Illumina, Inc., Life Technologies Corporation, Roche Diagnostics, Qiagen NV, and Vertex Pharmaceuticals. Prominent players operating in the target market are focusing on the strategic partnerships as well as launching of the products in order to gain competitive edge in the target market.

The market provides detailed information regarding the industrial base, productivity, strengths, manufacturers, and recent trends which will help companies enlarge the businesses and promote financial growth. Furthermore, the report exhibits dynamic factors including segments, sub-segments, regional marketplaces, competition, dominant key players, and market forecasts. In addition, the market includes recent collaborations, mergers, acquisitions, and partnerships along with regulatory frameworks across different regions impacting the market trajectory. Recent technological advances and innovations influencing the global market are included in the report.

About Prophecy Market Insights

Prophecy Market Insights is specialized market research, analytics, marketing/business strategy, and solutions that offers strategic and tactical support to clients for making well-informed business decisions and to identify and achieve high-value opportunities in the target business area. We also help our clients to address business challenges and provide the best possible solutions to overcome them and transform their business.

Some Important Points Answered in this Market Report Are Given Below:

- Explains an overview of the product portfolio, including product development, planning, and positioning
- Explains details about key operational strategies with a focus on R&D strategies, corporate structure, localization strategies, production capabilities, and financial performance of various companies.
- Detailed analysis of the market revenue over the forecasted period.
- Examining various outlooks of the market with the help of Porter's five forces analysis, PEST & SWOT Analysis.
- Study on the segments that are anticipated to dominate the market.
- Study on the regional analysis that is expected to register the highest growth over the forecast period

To know more

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