

HERG Screening Market Size, Share, and Analysis, By Type (Gene KCNH2, Mutant KCNH2, and Others), By Ion Channel (Voltage Gated, Ligand Gated, and Others), By Application (Antiarrhythmic, Antipsychotic, Antibiotic, and Others), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

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Abstracts

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PRODUCT OVERVIEW

HERG Screening Market is anticipated to exhibit a Compound Annual Growth Rate (CAGR) of 13.7% during the forecast span from 2024 to 2034. In 2023, the market size was assessed at USD 1.7 billion and is projected to reach USD 7.1 billion by the completion of 2034.

HERG screening refers to an essential component in drug development, which serves to evaluate the cardiotoxicity of a compound. The HERG gene includes a potassium ion channel which is crucial for regulating cardiac electrical activity. Certain drugs have the potential to cause fatal ventricular arrhythmias by blocking HERG channels, which causes longer QT intervals on ECGs. HERG screening is an active measure that involves the systematic testing of compounds to assess their impact on

HERG channels. This process helps in early identification and elimination of drugs with potential proarrhythmic effects and ensures a safer pharmaceutical development pathway. Consequently, by identifying and reducing the risks associated with HERG inhibition, this screening method contribute in the well-being of patient and minimize cardiovascular complications related t%li%drug usage.

MARKET HIGHLIGHTS

HERG Screening Market is projected t%li%reach USD 7.1 billion over the forecast period, owing t%li%the rising focus on drug safety within the pharmaceutical development sector. The increasing awareness of potential cardiotoxicity risks that are associated with drug compounds is promoting the demand for HERG screening services and technologies. This surge is attributed t%li%the persistent endeavours by pharmaceutical industries t%li%improve drug development methods and adhere t%li%regulatory standards. Additionally, technological innovations in high-throughput screening and automation are significant contributors, which facilitate the effective assessment of compound libraries. Moreover, frequent collaborations between pharmaceutical companies and contract research organizations highlights a strategic change towards outsourcing HERG screening services. This development indicates of a wider industry strategy t%li%improve efficiency while maintaining strict safety protocols. Thus, as the global pharmaceutical ecosystem continues its expansion, HERG screening market will assume an important role in ensuring the safety and efficacy of emerging drug candidates, thereby presenting attractive opportunities for stakeholders in this sector.

HERG Screening Market Segments:

By Type

Gene KCNH2

Mutant KCNH2

Others

By Ion-Channel

Voltage Gated

Ligand Gated

Others

By Application

Antiarrhythmic

Antipsychotic

Antibiotic

Others

MARKET DYNAMICS

Growth Drivers

Improvements in Technology will Generate Growth Opportunities

Increased Focus on Drug Safety will Lead to Market Expansion

Restraint

Industry Growth Could be Hampered by Cost and Resource Intensiveness

Key Players

Charles River Laboratories International, Inc.

ThermoFisher Scientific Inc.

Molecular Devices, LLC

Eurofins Discovery

Nanon Technologies GmbH

QPS Holdings, LLC

SB Drug Discovery

Sophion Bioscience A/S

ChanTest Corporation

Cyprotex

Evotec SE

Apredica

Shanghai Medicilon Inc.

B'SYS GmbH

Acea Biosciences, Inc.

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market
in the years to come

3-month post-sales analyst support.

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