

Global Host Cell Residual DNA Detection Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Host Cell Residual DNA Detection market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

At present, various biological products have been widely used in the prevention and treatment of diseases, especially since the outbreak of the new crown epidemic, more efforts have been made in the screening of therapeutic drugs and the development of vaccines. Vaccines, antibody drugs, recombinant proteins and other products in biological products are expressed and produced on continuously passaged strains/cell lines. Although they have undergone strict purification processes, there may still be residual DNA fragments of host cells in the products, and these residual DNA will not only reduce the effectiveness of biological products, but also have the risk of infectivity and tumorigenicity. Therefore, considering the effectiveness requirements and safety of biological products, the residual DNA of host cells is the top priority of various quality control standards. Drug regulatory agencies in various countries have strict limit control on the content of residual DNA in host cells, and also provide a variety of classic detection methods. Establishing a suitable detection method for residual DNA in host cells is crucial for monitoring the safety and quality controllability of biological products. Among them, the qPCR method has become the preferred detection method for process research and product quality control of biological products because of its high sensitivity, specificity, accuracy and durability.

Residual host cell DNA in biological preparations (recombinant protein drugs, antibody drugs, vaccines, cell therapy products, etc.) may pose infectious or tumorigenic risks, and it is necessary to control the residual DNA of host cells to an acceptable level. Host cell residual DNA testing can ensure that biological preparations meet the requirements of regulatory agencies such as China, WHO, Europe, and the United States. It is

recommended to conduct host cell DNA residue research on process samples, and put the host cell DNA residue detection into the stock solution or preparation release inspection. The 2020 edition of 'Chinese Pharmacopoeia' Part 3 - 3407 Exogenous DNA Residue Determination Method includes the qPCR method for the detection of host residual DNA in biological products. This method has the characteristics of rapidity, high throughput, and high sensitivity.

This report studies the global Host Cell Residual DNA Detection demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Host Cell Residual DNA Detection, and provides market size (US\$ million) and Year-over-Year (YoY) growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Host Cell Residual DNA Detection that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Host Cell Residual DNA Detection total market, 2018-2029, (USD Million)

Global Host Cell Residual DNA Detection total market by region & country, CAGR, 2018-2029, (USD Million)

U.S. VS China: Host Cell Residual DNA Detection total market, key domestic companies and share, (USD Million)

Global Host Cell Residual DNA Detection revenue by player and market share 2018-2023, (USD Million)

Global Host Cell Residual DNA Detection total market by Type, CAGR, 2018-2029, (USD Million)

Global Host Cell Residual DNA Detection total market by Application, CAGR, 2018-2029, (USD Million)

This reports profiles major players in the global Host Cell Residual DNA Detection market based on the following parameters – company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Charles River, Thermo Fisher Scientific Inc,

Cygnus Technologies, FUJIFILM Wako Pure Chemical Corporation, QIAGEN, Roche CustomBiotech, TransGen Biotech Co., Ltd, Bio-Rad and Vazyme, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Host Cell Residual DNA Detection market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Host Cell Residual DNA Detection Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Host Cell Residual DNA Detection Market, Segmentation by Type

DNA Probe Hybridization

Fluorescent Staining

Threshold Method

Immunoenzyme

qPCR Method

Global Host Cell Residual DNA Detection Market, Segmentation by Application

Hospital

Clinic

Research Institutions

Others

Companies Profiled:

Charles River

Thermo Fisher Scientific Inc

Cygnus Technologies

FUJIFILM Wako Pure Chemical Corporation

QIAGEN

Roche CustomBiotech

TransGen Biotech Co., Ltd

Bio-Rad

Vazyme

Creative Biogene

Bio-Rad Laboratories, Inc.

Jiangsu Cowin Biotech Co.,Ltd

RayKol Group Corp., Ltd

Jiangsu Hillgene Biopharma Co.,Ltd

ExCell Bio Group

Yeasen Biotechnology ?Shanghai? Co., Ltd

Nanjing Vazyme Biotech Co.,Ltd

Wuhan Hzymes Biotechnology Co., Ltd

Shanghai Jinbo Biotechnology Co., Ltd

HZSKBIO

TransGen Biotech Co., Ltd

Key Questions Answered

1. How big is the global Host Cell Residual DNA Detection market?
2. What is the demand of the global Host Cell Residual DNA Detection market?
3. What is the year over year growth of the global Host Cell Residual DNA Detection market?
4. What is the total value of the global Host Cell Residual DNA Detection market?
5. Who are the major players in the global Host Cell Residual DNA Detection market?

6. What are the growth factors driving the market demand?

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