

# **Nucleotides Market by Type (Food Grade, Lab Grade, Industry Grade, and Others), Technology (TaqMan Allelic Discrimination, Gene Chips and Microarrays, SNP by Pyrosequencing, and Others), Form (Liquid, Powder), Application (Pharmaceutical, Food and Animal Feed Additives, Drug Discovery, and Others), and Region 2023-2028**

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## **Abstracts**

The global nucleotides market size reached US\$ 667.0 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 995.3 Million by 2028, exhibiting a growth rate (CAGR) of 6.7% during 2023-2028.

Nucleotides are the basic building block of nucleic acids, such as ribonucleic acid (RNA) and deoxyribonucleic acid (DNA). They enhance various metabolic processes and the formation of the structure of proteins synthesized in the cell. They act with enzymes to speed up biochemical reactions in the body. They also aid in the biosynthesis of macromolecules and cell signaling through interaction with purinergic receptors. In addition, nucleotides assist in encoding, transmitting, and expressing genetic information in the body. As they provide a high degree of potency and selectivity against the herpes group of viruses, nucleotides are used as antiviral or anticancer agents in several medicines.

### **Nucleotides Market Trends:**

At present, there is a rise in the utilization of nucleotide supplements in dairy products, such as yogurt and condensed and powdered milk, across the globe. This, along with the growing availability of these supplements in the form of powdered fluids, represents one of the key factors driving the market. Besides this, the increasing employment of

nucleotides in nutraceuticals to treat conditions, such as poor nutrition, stress, and hypertension, is contributing to the growth of the market. In addition, the rising application of nucleotides in diagnostic research to diagnose the presence of various viral diseases and types of cancer is propelling the growth of the market. Moreover, there is an increase in the demand for nucleotides in animal feed to maintain metabolism rates in livestock. This, coupled with the growing awareness among the masses about the harmful impacts of animal diseases, is positively influencing the market. Apart from this, the escalating demand for nucleotides to enhance the recovery of intestinal epithelial cells, which helps boost the immunity system, is offering a positive market outlook. Additionally, the increasing usage of ribonucleotides in infant food formulations is bolstering the growth of the market.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global nucleotides market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, technology, form and application.

#### Breakup by Type:

- Food Grade
- Lab Grade
- Industry Grade
- Others

#### Breakup by Technology:

- TaqMan Allelic Discrimination
- Gene Chips and Microarrays
- SNP by Pyrosequencing
- Others

#### Breakup by Form:

- Liquid
- Powder

#### Breakup by Application:

Pharmaceutical  
Food and Animal Feed Additives  
Drug Discovery  
Others

Breakup by Region:

North America  
United States  
Canada  
Asia-Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being CJ CheilJedang Corporation, Exotic Biosolutions, F. Hoffmann-La Roche AG, Jena Bioscience GmbH, Koninklijke DSM N.V., Lallemand Inc., Meridian Bioscience Inc., Nanjing Biotgether Co. Ltd., Ohly GmbH (Associated British Foods plc), Promega Corporation, Starlake Bioscience Co. Inc. and Thermo Fisher Scientific Inc. Kindly, note that this only represents a partial list of companies,

and the complete list has been provided in the report.

**Key Questions Answered in This Report:**

How has the global nucleotides market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global nucleotides market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the form?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global nucleotides market and who are the key players?

What is the degree of competition in the industry?

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