

Global Ligase Enzyme Market

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Abstracts

Global Ligase Enzyme Market Overview:

The global ligase enzyme market was valued at \$503 million in 2015, and is projected to reach \$918 million by 2026, growing at a CAGR of 5.3% from 2018 to 2026.

Ligase is a specific enzyme, which is used to join the strands of DNA by facilitating the formation of phosphodiester bond. The enzyme is majorly used for the repairing and replication of DNA strands. In addition, it finds its application in recombinant DNA experiments in molecular biology experiments. However, factors such as DNA concentration, ligase concentration, temperature, and buffer composition affect the enzyme-mediated chemical reaction, thereby hampering the growth of the market.

The global ligase enzyme market for hospitals is segmented based on source into micro-organism, animal, and plant. Based on end user, the market is bifurcated into diagnostic center & hospital and research institute. Region wise, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Market Dynamics:

Drivers

Increase in research activities

Rise in incidence of birth genetic disorders and infectious diseases

Surge in R&D investments to develop ligases as targets for therapeutic intervention of cancer

Restraint

High sensitivity of enzymes to temperature & pH

Market Players

The major players profiled in the report are Novozymes A/S, Koninklijke DSM N.V., DowDuPont Inc., BASF SE, Advanced Enzyme Technologies Ltd., AB Enzymes GmbH, Codexis, Inc., Amano Enzyme, F. Hoffmann-La Roche Ltd., and Thermo Fisher Scientific Inc.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Source

Microorganism

Animal

Plant

By End User

Diagnostic Center & Hospital

Research Institute

By Region

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Rest of Europe

Asia-Pacific

Japan

China

Australia

India

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

South Africa

Rest of LAMEA

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