

Global IMAC Resin Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global IMAC Resin market size was valued at US\$ 194 million in 2025 and is forecast to a readjusted size of US\$ 311 million by 2032 with a CAGR of 6.9% during review period.

IMAC resin is an affinity chromatography medium composed of agarose, polymer, silica, or magnetic particles as the matrix, functionalized with metal-chelating ligands such as NTA, IDA, or TED, and pre-loaded or in-situ loaded with transition metal ions including Ni²⁺, Co²⁺, Cu²⁺, and Zn²⁺. It is primarily used for the capture, purification, and process scale-up of His-tagged recombinant proteins, histidine- or cysteine-rich proteins, and certain peptides. Estimated gross margin is approximately 55%.

IMAC resin unit prices are significantly lower than Protein A resins, but the SKU range is wide, customers are dispersed, and consumption frequency is stable, resulting in a market that is not large but resilient.

Demand is driven by recombinant protein expression experiments in universities and research institutions, process screening at CROs/CDMOs, early-stage biopharmaceutical development, and industrial enzyme production. Ni-NTA remains the mainstream format; cobalt, TED, and higher-rigidity matrix products cater to higher purity requirements, better tolerance to reducing agents/chelators, or higher flow rate scenarios, with clear pricing tiers. With the growth of synthetic biology, recombinant collagen, cytokines, enzyme preparations, and diagnostic antigen production, IMAC has gradually extended from disposable lab consumables to small- and mid-scale process consumables.

The supply side is structured in two tiers: international brands such as Cytiva, Bio-Rad,

Thermo Fisher, Qiagen, and Merck dominate high-end research and process validation channels, while Chinese and European SMEs enter with cost-effective bulk resins, pre-packed columns, and magnetic beads. Future growth will mainly come from domestic substitution, customized metal ion/ligand combinations, high-throughput automated purification formats, and integration with downstream chromatography kits, rather than pure expansion of laboratory usage.

This report is a detailed and comprehensive analysis for global IMAC Resin market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global IMAC Resin market size and forecasts, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global IMAC Resin market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global IMAC Resin market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global IMAC Resin market shares of main players, shipments in revenue (\$ Million), sales quantity (kg), and ASP (US\$/kg), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for IMAC Resin

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global IMAC Resin market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Cytiva, Bio-Rad, Thermo Fisher Scientific, Qiagen, Merck KGaA, Takara Bio, Bio-Works, Tosoh Bioscience, Sepax Technologies, BestChrom, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

IMAC Resin market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Nickel Charged

Cobalt Charged

Copper Charged

Zinc Charged

Uncharged Chelating

Other Metal Charged

Market segment by Chelator Type

NTA Chelator

IDA Chelator

TED Chelator

Proprietary Chelator

Other or Undisclosed

Market segment by Matrix Type

Nonmagnetic Agarose

Rigid Polymer

Silica or Hybrid

Magnetic Particle

Other Matrix

Market segment by Delivery Format

Loose Resin

Gravity Column

FPLC Cartridge

Spin Column or Plate

Magnetic Beads

Bulk Process Pack

Other Format

Market segment by Application

Research Protein Purification

Biopharma Process Development

Recombinant Protein Manufacturing

Enzyme and Peptide Purification

High-Throughput Screening

Analytical Sample Preparation

Other Protein Capture

Major players covered

Cytiva

Bio-Rad

Thermo Fisher Scientific

Qiagen

Merck KGaA

Takara Bio

Bio-Works

Tosoh Bioscience

Sepax Technologies

BestChrom

Smart-Lifesciences

Agarose Bead Technologies

Cube Biotech

GenScript

GoldBio

G-Biosciences

New England Biolabs

Macherey-Nagel

SERVA Electrophoresis

Jena Bioscience

Protein Ark

Beyotime Biotechnology

Yeasen Biotechnology

Marvelgent Biosciences

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe IMAC Resin product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of IMAC Resin, with price, sales quantity, revenue, and global market share of IMAC Resin from 2021 to 2026.

Chapter 3, the IMAC Resin competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the IMAC Resin breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and IMAC Resin market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of IMAC Resin.

Chapter 14 and 15, to describe IMAC Resin sales channel, distributors, customers, research findings and conclusion.

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