

# Protein Purification And Isolation Market Size, Share & Trends Analysis Report By Product (Instruments, Consumables), By Technology, By Application, By End Use, By Region, And Segment Forecasts, 2022 - 2030

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# **Abstracts**

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Protein Purification And Isolation Market Growth & Trends

The global protein purification and isolation market size is expected to reach USD 19.1 billion by 2030, according to a new report by Grand View Research, Inc. It is expected to expand at a CAGR of 10.6% from 2022 to 2030. Technological advancements and investments for the development of structure-based drugs by both private and public research organizations are driving the demand for protein purification and isolation products.

Furthermore, factors including the increased requirement to categorize R&D in the pharmaceutical, novel protein-based medicinal compounds, and biotechnological segments are contributing to the growth of the market. Many elements contribute to the market growth including increasing funding for research and development from both commercial and public research bodies, as well as expanded research-based on structure-based drug plans. High purifying device costs and a scarcity of experienced specialists, on the other hand, are stifling the market's expansion. As the demand for protein therapeutics and novel legends for the drug development process rises, the market will experience opportunities.

Another major driver in the market is the growing need to accurately discover novel



ligands and produce quick purification kits. The increasing desire for technologically better techniques is pushing up the demand for trustworthy identification of various new protein molecules and purification and separation of functional proteins with minimal contaminants. Rapid purification kits are required to shorten purification and isolation time while preserving efficacy. Because affinity tags allow for successful purification in one step, they are commonly used for protein isolation and purification. Body proteins are isolated in less than 60 minutes with ProteoSpin Inclusion Body Protein Isolation Kits. During the forecast period, these are the reasons that would drive the market.

The unanticipated COVID-19 pandemic caused the establishment of global lockdown rules, causing delays in protein purification and isolation import and export. The pandemic also reduced the availability of funds from private investors and governments worldwide. The disruption in the process during the pandemic had a severe impact on the market, but increased government investment in research and development is allowing the business to recover, and the market is likely to rise over the forecast period.

Protein Purification And Isolation Market Report Highlights

Based on product, the consumables segment dominated the market with a revenue share of over 60.0% in 2021 and is expected to witness significant growth over the forecast period pertaining to the high usage in cell lysis and increased commercialization of advanced resins

On the basis of technology, chromatography emerged as the leading segment in 2021 with a revenue share of over 25.0% owing to the availability of a varied range of products, enhanced results for complex protein purification, and high reliability

By application, the drug screening segment is estimated to be the fastestgrowing application segment over the forecast period owing to factors such as high efficacy and increasing R&D investments by manufacturers for the screening of novel drugs

In terms of end-use, the hospitals segment is projected to exhibit the fastest growth rate over the forecast period. This is attributed to the increasing adoption of protein purification techniques



North America dominated the global market in 2021 with a revenue share of over 45.0% owing to factors such as established research infrastructure, the presence of major players, and technological advancements in the region

Asia Pacific is estimated to register the highest CAGR over the forecast period due to the increasing economic stability, a growing number of CROs, and R&D activities in academic and research institutes

Market players are adopting strategies such as the expansion of product portfolios through R&D initiatives, mergers, acquisitions, and strategic collaborations to further strengthen their position in the market



# **Contents**

#### **CHAPTER 1 METHODOLOGY AND SCOPE**

- 1.1 Research Methodology
- 1.2 Research Assumptions
  - 1.2.1 Estimates and Forecast Timeline
- 1.3 Research Methodology
- 1.4 Information Procurement
  - 1.4.1 Purchased Database
  - 1.4.2 GVR's Internal Database
  - 1.4.3 Secondary Sources
  - 1.4.4 Primary Research
- 1.4.5 Details of Primary Research
- 1.5 Information or Data Analysis
  - 1.5.1 Data Analysis Models
- 1.6 Market Formulation & Validation
- 1.7 Model Details
  - 1.7.1 Commodity Flow Analysis
    - 1.7.1.1 Approach 1: Commodity Flow Approach
    - 1.7.1.2 Approach 2: Country-wise market estimation using a bottom-up approach
- 1.8 Global Market: CAGR Calculation
- 1.9 List of Secondary Sources
- 1.10 List of Primary Sources
- 1.11 Objectives
  - 1.11.1 Objective 1
  - 1.11.2 Objective 2
- 1.12 List of Tables

#### **CHAPTER 2 EXECUTIVE SUMMARY**

2.1 Market Summary

### **CHAPTER 3 MARKET VARIABLES, TRENDS & SCOPE**

3.1 Market Segmentation

#### **CHAPTER 4 INDUSTRY OUTLOOK**



- 4.1 Market Variable Analysis
  - 4.1.1 Increase in investment in pharmaceutical and biotechnological R&D
  - 4.1.2 Growing need for more accurate and rapid purification kits
  - 4.1.3 Technological advancements
- 4.2 Market Restraint Analysis
  - 4.2.1 High cost of purification instruments and lack of skilled professionals
- 4.3 Penetration and Growth Prospect Mapping
- 4.4 Regulatory Framework
  - 4.4.1 Standards & compliances
- 4.5 Protein Purification and Isolation Market Analysis Tools
  - 4.5.1 PESTEL Analysis
    - 4.5.1.1 Political landscape
    - 4.5.1.2 Environmental landscape
    - 4.5.1.3 Social landscape
    - 4.5.1.4 Technology landscape
    - 4.5.1.5 Legal landscape
  - 4.5.2 Industry analysis Porter's
    - 4.5.2.1 Supplier power (Moderate due to requirement of high-quality raw materials)
    - 4.5.2.2 Buyer power (Moderate due to increasing demand for novel technologies)
    - 4.5.2.3 Substitution threat (Low due to the accuracy requirements of the products)
    - 4.5.2.4 New entrants' threat (High due to increasing number of companies)
  - 4.5.2.5 Competitive rivalry (High due to the market is fragmented) 4.5.3 Major deals & strategic alliances analysis
  - 4.5.3.1 Joint ventures
  - 4.5.3.2 Mergers & acquisitions
  - 4.5.3.3 Licensing & partnership
  - 4.5.3.4 Technology collaborations
  - 4.5.3.5 Strategic divestments

#### **CHAPTER 5 COMPETITIVE ANALYSIS**

- 5.1 Recent Developments & Impact Analysis, by Key Market Participants
- 5.2 Company/Competition Categorization (Key Innovators, Market Leaders, Emerging Players)
- 5.3 Vendor Landscape
  - 5.3.1 List of key distributors
  - 5.3.2 Key company market share analysis
- 5.4 Public Companies
  - 5.4.1 Company market position analysis



- 5.4.2 Competitive dashboard analysis
- 5.5 Private Companies
  - 5.5.1 List of key emerging companies /technology disruptors/innovators
  - 5.5.2 Regional network map

#### **CHAPTER 6 PRODUCT BUSINESS ANALYSIS**

- 6.1 Protein Purification and Isolation Market: Product Movement Analysis
- 6.2 Instruments
- 6.2.1 Instruments market estimates and forecast, 2017 2030
- 6.3 Consumables
  - 6.3.1 Consumables market estimates and forecast, 2017 2030
  - 6.3.2 Kits
    - 6.3.2.1 Kits market estimates and forecast, 2017 2030
  - 6.3.3 Reagents
    - 6.3.3.1 Reagents market estimates and forecast, 2017 2030
  - 6.3.4 Columns
    - 6.3.4.1 Columns market estimates and forecast, 2017 2030
  - 6.3.5 Magnetic beads
    - 6.3.5.1 Magnetic beads market estimates and forecast, 2017 2030
  - 6.3.6 Resins
    - 6.3.6.1 Resins market estimates and forecast, 2017 2030
  - 6.3.7 Others
    - 6.3.7.1 Others market estimates and forecast, 2017 2030

#### **CHAPTER 7 TECHNOLOGY BUSINESS ANALYSIS**

- 7.1 Protein Purification and Isolation Market: Technology Movement Analysis
- 7.2 Ultrafiltration
  - 7.2.1 Ultrafiltration market estimates and forecast, 2017 2030
- 7.3 Precipitation
  - 7.3.1 Precipitation market estimates and forecast, 2017 2030
- 7.4 Chromatography
- 7.4.1 Chromatography market estimates and forecast, 2017 2030
- 7.4.2 Ion exchange chromatography
  - 7.4.2.1 Ion exchange chromatography market estimates and forecast, 2017 2030
- 7.4.3 Affinity Chromatography
  - 7.4.3.1 Affinity chromatography market estimates and forecast, 2017 2030
- 7.4.4 Reversed phase chromatography



- 7.4.5 Reversed phase chromatography market estimates and forecast, 2017 2030
- 7.4.6 Size exclusion chromatography
- 7.4.7 Size exclusion chromatography market estimates and forecast, 2017 2030
- 7.4.8 Hydrophobic interaction chromatography (HIC)
- 7.4.9 Hydrophobic interaction chromatography market estimates and forecast, 2017 2030
- 7.5 Electrophoresis
  - 7.5.1 Electrophoresis market estimates and forecast, 2017 2030
  - 7.5.2 Gel electrophoresis
  - 7.5.3 Gel electrophoresis market estimates and forecast, 2017 2030
  - 7.5.4 Isoelectric focusing (IEF)
  - 7.5.5 Isoelectric focusing (IEF) market estimates and forecast, 2017 2030
  - 7.5.6 Capillary electrophoresis
  - 7.5.7 Capillary electrophoresis market estimates and forecast, 2017 2030
- 7.6 Western Blotting
  - 7.6.1 Western Blotting market estimates and forecast, 2017 2030
- 7.7 Others
- 7.7.1 Others market estimates and forecast, 2017 2030

#### **CHAPTER 8 APPLICATION BUSINESS ANALYSIS**

- 8.1 Protein Purification and Isolation Market: Application Movement Analysis
- 8.2 Drug Screening
- 8.2.1 Drug screening market estimates and forecast, 2017 2030
- 8.3 Biomarker Discovery
  - 8.3.1 Biomarker Discovery market estimates and forecast, 2017 2030
- 8.4 Protein-protein interaction studies
  - 8.4.1 Protein-protein interaction studies market estimates and forecast, 2017 2030
- 8.5 Diagnostics
  - 8.5.1 Diagnostics market estimates and forecast, 2017 2030

#### **CHAPTER 9 END-USE BUSINESS ANALYSIS**

- 9.1 Protein Purification and Isolation Market: End-use Movement Analysis
- 9.2 Academic and Research Institutes
- 9.2.1 Academic and research institutes market estimates and forecast, 2017 2030
- 9.3 Hospitals
  - 9.3.1 Hospitals Market estimates and forecast, 2017 2030
- 9.4 Pharmaceutical and Biotechnological Companies



- 9.4.1 Pharmaceutical and Biotechnological companies Market estimates and forecast,
- 2017 2030
- 9.5 CROs
  - 9.5.1 CRO Market estimates and forecast, 2017 2030

# **CHAPTER 10 REGIONAL BUSINESS ANALYSIS**

- 10.1 Protein Purification and Isolation Market: Regional Movement Analysis
- 10.2 North America
  - 10.2.1 North America, SWOT analysis
  - 10.2.2 North America market estimates and forecast, 2017 2030
  - 10.2.3 U.S.
    - 10.2.3.1 U.S. market estimates and forecast, 2017 2030
  - 10.2.4 Canada
  - 10.2.4.1 Canada market estimates and forecast, 2017 2030
- 10.3 Europe
  - 10.3.1 Europe, SWOT analysis
  - 10.3.2 Europe market estimates and forecast, 2017 2030
- 10.3.3 Germany
  - 10.3.3.1 Germany market estimates and forecast, 2017 2030
- 10.3.4 U.K.
  - 10.3.4.1 U.K. market estimates and forecast, 2017 2030
- 10.3.5 France
  - 10.3.5.1 France market estimates and forecast, 2017 2030
- 10.3.6 Spain
  - 10.3.6.1 Spain market estimates and forecast, 2017 2030
- 10.3.7 Italy
  - 10.3.7.1 Italy market estimates and forecast, 2017 2030
- 10.4 Asia Pacific
  - 10.4.1 Asia Pacific, SWOT analysis
  - 10.4.2 Asia Pacific market estimates and forecast, 2017 2030
  - 10.4.3 Japan
    - 10.4.3.1 Japan market estimates and forecast, 2017 2030
  - 10.4.4 China
    - 10.4.4.1 China market estimates and forecast, 2017 2030
  - 10.4.5 India
    - 10.4.5.1 India market estimates and forecast, 2017 2030
  - 10.4.6 South Korea
  - 10.4.6.1 South Korea market estimates and forecast, 2017 2030



- 10.5 Latin America
  - 10.5.1 Latin America, SWOT analysis
  - 10.5.2 Latin America market estimates and forecast, 2017 2030
  - 10.5.3 Brazil
    - 10.5.3.1 Brazil market estimates and forecast, 2017 2030
  - 10.5.4 Mexico
    - 10.5.4.1 Mexico market estimates and forecast, 2017 2030
  - 10.5.5 Colombia
    - 10.5.5.1 Colombia market estimates and forecast, 2017 2030
  - 10.5.6 Chile
    - 10.5.6.1 Chile market estimates and forecast, 2017 2030
- 10.6 MEA
  - 10.6.1 MEA, SWOT analysis
  - 10.6.2 MEA market estimates and forecast, 2017 2030
  - 10.6.3 South Africa
    - 10.6.3.1 South Africa market estimates and forecast, 2017 2030
  - 10.6.4 UAE
    - 10.6.4.1 UAE market estimates and forecast, 2017 2030

#### **CHAPTER 11 COMPANY PROFILES**

- 11.1 Company Profiles
  - 11.1.1 Thermo Fischer Scientific Inc.
    - 11.1.1.1 Company Overview
    - 11.1.1.2 Financial Performance
    - 11.1.1.3 Product Benchmarking
    - 11.1.1.4 Strategic Initiatives
  - 11.1.2 Merck KGaA
    - 11.1.2.1 Company Overview
  - 11.1.3 Sigma-Aldrich Corporation
    - 11.1.3.1 Company Overview
    - 11.1.3.2 Financial Performance
    - 11.1.3.3 Product Benchmarking
    - 11.1.3.4 Strategic Initiatives
  - 11.1.4 QIAGEN
    - 11.1.4.1 Company Overview
    - 11.1.4.2 Financial Performance
    - 11.1.4.3 Product Benchmarking
    - 11.1.4.4 Strategic Initiatives



- 11.1.5 Bio-Rad Laboratories, Inc.
  - 11.1.5.1 Company Overview
  - 11.1.5.2 Financial Performance
  - 11.1.5.3 Product Benchmarking
  - 11.1.5.4 Strategic Initiatives
- 11.1.6 Agilent Technologies
  - 11.1.6.1 Company Overview
  - 11.1.6.2 Financial Performance
  - 11.1.6.3 Product Benchmarking
  - 11.1.6.4 Strategic Initiatives
- 11.1.7 Promega Corporation
  - 11.1.7.1 Company Overview
  - 11.1.7.2 Product Benchmarking
  - 11.1.7.3 Strategic Initiatives
- 11.1.8 General Electric Company
  - 11.1.8.1 Company Overview
  - 11.1.8.2 Financial Performance
  - 11.1.8.3 Product Benchmarking
  - 11.1.8.4 Strategic Initiatives
- 11.1.9 Norgen Biotek Corp.
  - 11.1.9.1 Company Overview
  - 11.1.9.2 Product Benchmarking
- 11.1.10 Abcam plc
  - 11.1.10.1 Company Overview
  - 11.1.10.2 Financial Performance
  - 11.1.10.3 Product Benchmarking
  - 11.1.10.4 Strategic Initiatives



# **List Of Tables**

#### LIST OF TABLES

Table 1 List of secondary sources

Table 2 List of abbreviations

Table 3 North America protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 4 North America protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 5 North America protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 6 North America protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 7 U.S. protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 8 U.S. protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 9 U.S. protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 10 U.S. protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 11 Canada protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 12 Canada protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 13 Canada protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 14 Canada protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 15 Europe protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 16 Europe protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 17 Europe protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 18 Europe protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 19 U.K. protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)



Table 20 U.K. protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 21 U.K. protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 22 U.K. protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 23 Germany protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 24 Germany protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 25 Germany protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 26 Germany protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 27 France protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 28 France protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 29 France protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 30 France protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 31 Spain protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 32 Spain protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 33 Spain protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 34 Spain protein purification and isolation market estimates and forecasts, by enduse, 2017 - 2030 (USD Million)

Table 35 Italy protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 36 Italy protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 37 Italy protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 38 Italy protein purification and isolation market estimates and forecasts, by enduse, 2017 - 2030 (USD Million)

Table 39 Asia Pacific protein purification and isolation market estimates and forecasts,



by product, 2017 - 2030 (USD Million)

Table 40 Asia Pacific protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 41 Asia Pacific protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 42 Asia Pacific protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 43 Japan protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 44 Japan protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 45 Japan protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 46 Japan protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 47 China protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 48 China protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 49 China protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 50 China protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 51 India protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 52 India protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 53 India protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 54 India protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 55 South Korea protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 56 South Korea protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 57 South Korea protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 58 South Korea protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)



Table 59 Latin America protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 60 Latin America protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 61 Latin America protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 62 Latin America protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 63 Brazil protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 64 Brazil protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 65 Brazil protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 66 Brazil protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 67 Mexico protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 68 Mexico protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 69 Mexico protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 70 Mexico protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 71 Colombia protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 72 Colombia protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 73 Colombia protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 74 Colombia protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 75 Chile protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 76 Chile protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 77 Chile protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 78 Chile protein purification and isolation market estimates and forecasts, by end-



use, 2017 - 2030 (USD Million)

Table 79 MEA protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 80 MEA protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 81 MEA protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 82 MEA protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 83 South Africa protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 84 South Africa protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 85 South Africa protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 86 South Africa protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)

Table 87 UAE protein purification and isolation market estimates and forecasts, by product, 2017 - 2030 (USD Million)

Table 88 UAE protein purification and isolation market estimates and forecasts, by technology, 2017 - 2030 (USD Million)

Table 89 UAE protein purification and isolation market estimates and forecasts, by application, 2017 - 2030 (USD Million)

Table 90 UAE protein purification and isolation market estimates and forecasts, by end-use, 2017 - 2030 (USD Million)



# **List Of Figures**

#### LIST OF FIGURES

# List of Figures

- Fig. 1 Market research process
- Fig. 2 Data triangulation techniques
- Fig. 3 Primary research pattern
- Fig. 4 Market research approaches
- Fig. 5 Value chain-based sizing & forecasting
- Fig. 6 QFD modeling for market share assessment
- Fig. 7 Market formulation & validation
- Fig. 8 Protein purification and isolation market snapshot
- Fig. 9 Protein purification and isolation market segmentation
- Fig. 10 Protein purification and isolation market driver impact
- Fig. 11 Protein purification and isolation market restraint impact
- Fig. 12 Penetration and growth prospect mapping
- Fig. 13 SWOT analysis, by factor (Political & legal Economic and technological)
- Fig. 14 Porter's Five Forces analysis
- Fig. 15 Strategy mapping
- Fig. 16 Competition categorization
- Fig. 17 Company market share analysis
- Fig. 18 Company market position analysis
- Fig. 19 Competitive dashboard analysis
- Fig. 20 Regional network map
- Fig. 21 Protein purification and isolation market: Product outlook and key takeaways
- Fig. 22 Protein purification and isolation market: Product movement analysis
- Fig. 23 Instruments market estimates and forecast, 2017 2030
- Fig. 24 Consumables market estimates and forecast, 2017 2030
- Fig. 25 Kits market estimates and forecast, 2017 2030
- Fig. 26 Reagents market estimates and forecast, 2017 2030
- Fig. 27 Columns market estimates and forecast, 2017 2030
- Fig. 28 Magnetic beads market estimates and forecast, 2017 2030
- Fig. 29 Resins market estimates and forecast, 2017 2030
- Fig. 30 Others market estimates and forecast, 2017 2030
- Fig. 31 Protein purification and isolation market: Technology outlook and key takeaways
- Fig. 32 Protein purification and isolation market: Technology movement analysis
- Fig. 33 Ultrafiltration market estimates and forecast, 2017 2030



- Fig. 34 Precipitation market estimates and forecast, 2017 2030
- Fig. 35 Chromatography market estimates and forecast, 2017 2030
- Fig. 36 Ion exchange chromatography market estimates and forecast, 2017 2030
- Fig. 37 Affinity chromatography market estimates and forecast, 2017 2030
- Fig. 38 Reversed-phase chromatography market estimates and forecast, 2017 2030
- Fig. 39 Size exclusion chromatography market estimates and forecast, 2017 2030
- Fig. 40 Hydrophobic interaction chromatography market estimates and forecast, 2017 2030
- Fig. 41 Electrophoresis market estimates and forecast, 2017 2030
- Fig. 42 Gel electrophoresis market estimates and forecast, 2017 2030
- Fig. 43 Isoelectric focusing (IEF) market estimates and forecast, 2017 2030
- Fig. 44 Capillary electrophoresis market estimates and forecast, 2017 2030
- Fig. 45 Western blotting market estimates and forecast, 2017 2030
- Fig. 46 Others market estimates and forecast, 2017 2030
- Fig. 47 Protein purification and isolation market: Application outlook and key takeaways
- Fig. 48 Protein purification and isolation market: Application movement analysis
- Fig. 49 Drug screening market estimates and forecast, 2017 2030
- Fig. 50 Biomarker discovery market estimates and forecast, 2017 2030
- Fig. 51 Protein-protein interaction studies market estimates and forecast, 2017 2030
- Fig. 52 Diagnostics market estimates and forecast, 2017 2030
- Fig. 53 Protein purification and isolation market: End-use outlook and key takeaways
- Fig. 54 Protein Purification and Isolation Market: End-use movement analysis
- Fig. 55 Academic and research institutes market estimates and forecast, 2017 2030
- Fig. 56 Hospitals market estimates and forecast, 2017 2030
- Fig. 57 Pharmaceutical and biotechnological companies market estimates and forecast, 2017 2030
- Fig. 58 CROs market estimates and forecast, 2017 2030
- Fig. 59 Protein purification and isolation market: Regional outlook and key takeaways
- Fig. 60 Protein purification and isolation market: Regional movement analysis
- Fig. 61 North America market estimates and forecast, 2017 2030
- Fig. 62 U.S. market estimates and forecast, 2017 2030
- Fig. 63 Canada market estimates and forecast, 2017 2030
- Fig. 64 Europe market estimates and forecast, 2017 2030
- Fig. 65 Germany market estimates and forecast, 2017 2030
- Fig. 66 U.K. market estimates and forecast, 2017 2030
- Fig. 67 France market estimates and forecast, 2017 2030
- Fig. 68 Spain market estimates and forecast, 2017 2030
- Fig. 69 Italy market estimates and forecast, 2017 2030
- Fig. 70 Asia Pacific market estimates and forecast, 2017 2030



- Fig. 71 Japan market estimates and forecast, 2017 2030
- Fig. 72 China market estimates and forecast, 2017 2030
- Fig. 73 India market estimates and forecast, 2017 2030
- Fig. 74 South Korea market estimates and forecast, 2017 2030
- Fig. 75 Latin America market estimates and forecast, 2017 2030
- Fig. 76 Brazil market estimates and forecast, 2017 2030
- Fig. 77 Mexico market estimates and forecast, 2017 2030
- Fig. 78 Colombia market estimates and forecast, 2017 2030
- Fig. 79 Chile market estimates and forecast, 2017 2030
- Fig. 80 MEA market estimates and forecast, 2017 2030
- Fig. 81 South Africa market estimates and forecast, 2017 2030
- Fig. 82 UAE market estimates and forecast, 2017 2030
- Fig. 83 Company Profile



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