

Protein Stability Analysis Market Size, Share & Trends Analysis Report By Product (Instruments, Software), By Technique (DSC, DSF), By End Use (CROs), By Region, And Segment Forecasts, 2020 - 2026

<https://marketpublishers.com/r/P699F3B02E54EN.html>

Date: February 2020

Pages: 175

Price: US\$ 5,950.00 (Single User License)

ID: P699F3B02E54EN

Abstracts

The global protein stability analysis market size is expected to reach USD 2.0 billion by 2026, expanding at a CAGR of 10.8%, according to a new report by Grand View Research, Inc. Protein stability analysis is an essential step in therapeutics stability studies that enables the assessment of factors causing aggregation and degradation of proteins. This analysis keeps a check on the biologic activity, quality, and product safety of biopharmaceuticals. The recent approvals of recombinant protein therapeutics increase the demand for this analysis during the drug development programs.

Rising R&D in the biopharmaceuticals arena has pronounced the demand for protein stability protocols. The drug manufacturers are adopting the stability-indicating methods for degradation pathway analysis and stress testing for the development of effective and safe therapeutics. Moreover, government agencies are encouraging the drug safety programs by raising funds in the field of proteomics industry, which in turn, surge the adoption of stability analysis.

For instance, in January 2018, funding of USD 18 million from the Genome Canada and Genome BC supported the protein research of the University of Victoria, Canada. Besides, key companies are also entering into collaborations with the venture capitalists for funds to expand their stability analysis portfolio.

Ionic liquids are extensively applied in biological systems as environmentally friendly solvents. It is crucial to analyze the effect of ionic liquids over protein stability as it is helpful in the analysis of biological reaction processes. A study published in April 2019,

evaluated the thermodynamics of protein stability in ionic liquids by the utilization of Fluorine-19 nuclear magnetic resonance spectroscopy. Such studies are expected to increase the adoption of protein stability techniques over the forecast period.

Further key findings from the report suggest:

Reagents and assay kits accounted for the largest share in 2019 owing to frequent usage of these products and low cost associated with them as compared to other product types

Broadening application of analytical instruments that are designed to assess several stability-indicating parameters using ultra-low sample volumes at high speed drives the instrument segment with the fastest CAGR

Differential Scanning Calorimetry (DSC) held the largest revenue share in 2019 due to numerous advantages of DSC over other determination methods

These benefits include simple sample preparation, easy implementation of DSC in both solid and liquid samples, and determination of thermodynamic parameters

Differential Scanning Fluorimetry (DSF) technique is expected to register the fastest growth rate due to the rising implementation of nanoDSF technique in analytical studies

This is attributive to the fact that nanoDSF rapidly and reliably determines the melting point of crude extracts, thus eliminating the requirement for cost and time-intensive protein analysis steps

Pharmaceutical and biotechnology companies dominated the protein stability analysis market in 2019 due to the presence of well-established drug manufacturers that are capable of performing in-house production of biologics

Contract Research Organizations (CROs) are anticipated to witness a lucrative growth rate during the forecast period

CROs provide a range of capabilities in protein engineering with integrated platforms and technologies across various geographical regions to support the

development of recombinant protein therapeutics

A large number of proteomics projects conducted in U.S. and high focus on proteomics research activities by national agencies marks the dominant share of North America

Asia Pacific is expected to witness the fastest growth rate owing to the rising number of conferences and events conducted to raise awareness about the products available for stability analysis

Key players such as Enzo Biochem, Thermo Fisher, PerkinElmer, NanoTemper, and GE Healthcare, have adopted several strategic initiatives to reinforce their market presence.

Contents

CHAPTER 1 EXECUTIVE SUMMARY

- 1.1 Protein Stability Analysis Market: Market Outlook
- 1.2 Protein Stability Analysis Market: Segment Outlook
- 1.3 Protein Stability Analysis Market: Competitive Insights

CHAPTER 2 RESEARCH METHODOLOGY & SCOPE

- 2.1 Information Procurement
 - 2.1.1 Purchased database:
 - 2.1.2 GVR's Internal Database
- 2.2 Primary Research:
- 2.3 Information or Data Analysis
- 2.4 Market Formulation & Validation

CHAPTER 3 PROTEIN STABILITY ANALYSIS MARKET VARIABLES, TRENDS & SCOPE

- 3.1 Industry Pyramid Analysis
- 3.2 Penetration & Growth Prospect Mapping for Technique, 2019
- 3.3 Protein Stability Analysis: Technology Overview
- 3.4 Protein Stability Analysis: Regulatory Framework
- 3.5 Protein Stability Analysis market: Market Dynamics
 - 3.5.1 Market driver analysis
 - 3.5.1.1 Rising number of recombinant protein therapeutics
 - 3.5.1.2 Presence of supportive government initiatives to encourage drug safety programs
 - 3.5.1.3 Expansion of outsourcing activities for protein analysis
 - 3.5.1.4 Increase in R&D expenditure for drug development
 - 3.5.2 Market restraint analysis
 - 3.5.2.1 High cost of protein analysis equipment
 - 3.5.2.2 Presence of ambiguous regulatory framework
- 3.6 Business Environment Analysis: Protein Stability Analysis Market
 - 3.6.1 Industry analysis - Porter's
 - 3.6.2 Protein stability analysis market: SWOT analysis, By factor (political & legal, economic and technological)

CHAPTER 4 PROTEIN STABILITY ANALYSIS MARKET CATEGORIZATION: PRODUCT ESTIMATES & TREND ANALYSIS

- 4.1 Protein Stability Analysis Market: Product Movement Analysis
- 4.2 Reagents and Assay Kits
 - 4.2.1 Reagents and assay kits market, 2015 - 2026 (USD Million)
- 4.3 Instruments
 - 4.3.1 Protein stability analysis instruments market, 2015 - 2026 (USD Million)
- 4.4 Consumables and Accessories
 - 4.4.1 Protein stability analysis consumables and accessories market, 2015 - 2026 (USD Million)
- 4.5 Software
 - 4.5.1 Protein stability analysis software market, 2015 - 2026 (USD Million)
- 4.6 Services
 - 4.6.1 Protein stability analysis services market, 2015 - 2026 (USD Million)

CHAPTER 5 PROTEIN STABILITY ANALYSIS MARKET CATEGORIZATION: TECHNIQUE ESTIMATES & TREND ANALYSIS

- 5.1 Protein Stability Analysis Market: Technique Movement Analysis
- 5.2 Chromatography
 - 5.2.1 Protein stability analysis market using chromatography, 2015 - 2026 (USD Million)
- 5.3 Spectroscopy
 - 5.3.1 Protein stability analysis market using spectroscopy, 2015 - 2026 (USD Million)
- 5.4 Differential Scanning Calorimetry (DSC)
 - 5.4.1 Protein stability analysis market using differential scanning calorimetry, 2015 - 2026 (USD Million)
- 5.5 Differential Scanning Fluorimetry (DSF)
 - 5.5.1 Protein stability analysis market using differential scanning fluorimetry, 2015 - 2026 (USD Million)
- 5.6 Dynamic Light Scattering (DLS)
 - 5.6.1 Protein stability analysis market using dynamic light scattering, 2015 - 2026 (USD Million)
- 5.7 Others
 - 5.7.1 Protein stability analysis market using other techniques, 2015 - 2026 (USD Million)

CHAPTER 6 PROTEIN STABILITY ANALYSIS MARKET CATEGORIZATION: END-

USE ESTIMATES & TREND ANALYSIS

6.1 Protein Stability Analysis Market: End-use Movement Analysis

6.2 Biotechnology and Pharmaceutical Companies

6.2.1 Protein stability analysis market for biopharmaceutical and pharmaceutical companies, 2015 - 2026 (USD Million)

6.3 Contract Research Organizations

6.3.1 Protein stability analysis market for contract research organizations, 2015 - 2026 (USD Million)

6.4 Academic Research Institutes

6.4.1 Protein stability analysis market for academic research institutes, 2015 - 2026 (USD Million)

CHAPTER 7 PROTEIN STABILITY ANALYSIS MARKET CATEGORIZATION: REGIONAL ESTIMATES & TREND ANALYSIS, BY PRODUCT, TECHNIQUE, & END-USE

7.1 Protein Stability Analysis Market Share By Region, 2019 & 2026

7.2 North America

7.2.1 North America protein stability analysis market, 2015 - 2026 (USD Million)

7.2.2 U.S.

7.2.2.1 U.S. protein stability analysis market, by product, 2015 - 2026 (USD Million)

7.2.2.2 U.S. protein stability analysis market, by technique, 2015 - 2026 (USD Million)

7.2.2.3 U.S. protein stability analysis market, by end use, 2015 - 2026 (USD Million)

7.2.3 Canada

7.2.3.1 Canada protein stability analysis market, by product, 2015 - 2026 (USD Million)

7.2.3.2 Canada protein stability analysis market, by technique, 2015 - 2026 (USD Million)

7.2.3.3 Canada protein stability analysis market, by end use, 2015 - 2026 (USD Million)

7.3 Europe

7.3.1 Europe protein stability analysis market, 2015 - 2026 (USD Million)

7.3.2 Germany

7.3.2.1 Germany protein stability analysis market, by product, 2015 - 2026 (USD Million)

7.3.2.2 Germany protein stability analysis market, by technique, 2015 - 2026 (USD Million)

7.3.2.3 Germany protein stability analysis market, by end use, 2015 - 2026 (USD Million)

Million)

7.3.3 U.K.

7.3.3.1 U.K. protein stability analysis market, by product, 2015 - 2026 (USD Million)

7.3.3.2 U.K. protein stability analysis market, by technique, 2015 - 2026 (USD Million)

7.3.3.3 U.K. protein stability analysis market, by end use, 2015 - 2026 (USD Million)

7.4 Asia Pacific

7.4.1 Asia Pacific protein stability analysis market, 2015 - 2026 (USD Million)

7.4.2 Japan

7.4.2.1 Japan protein stability analysis market, by product, 2015 - 2026 (USD Million)

7.4.2.2 Japan protein stability analysis market, by technique, 2015 - 2026 (USD

Million)

7.4.2.3 Japan protein stability analysis market, by end use, 2015 - 2026 (USD Million)

7.4.3 China

7.4.3.1 China protein stability analysis market, by product, 2015 - 2026 (USD Million)

7.4.3.2 China protein stability analysis market, by technique, 2015 - 2026 (USD

Million)

7.4.3.3 China protein stability analysis market, by end use, 2015 - 2026 (USD Million)

7.5 Latin America

7.5.1 Latin America protein stability analysis market, 2015 - 2026 (USD Million)

7.5.2 Brazil

7.5.2.1 Brazil protein stability analysis market, by product, 2015 - 2026 (USD Million)

7.5.2.2 Brazil protein stability analysis market, by technique, 2015 - 2026 (USD

Million)

7.5.2.3 Brazil protein stability analysis market, by end use, 2015 - 2026 (USD Million)

7.6 Middle East & Africa

7.6.1 Middle East & Africa protein stability analysis market, 2015 - 2026 (USD Million)

7.6.2 South Africa

7.6.2.1 South Africa protein stability analysis market, by product, 2015 - 2026 (USD Million)

7.6.2.2 South Africa protein stability analysis market, by technique, 2015 - 2026 (USD Million)

7.6.2.3 South Africa protein stability analysis market, by end use, 2015 - 2026 (USD Million)

CHAPTER 8 COMPETITIVE LANDSCAPE

8.1 Company Categorization

8.2 Recent Developments & Impact Analysis, by Key Market Participants

8.3 Public Companies

- 8.3.1 Company market position analysis
- 8.4 Private Companies
 - 8.4.1 List of key emerging companies/ innovators
- 8.5 Strategy Framework
- 8.6 Company Profiles
 - 8.6.1 Thermo Fisher Scientific Inc.
 - 8.6.1.1 Company overview
 - 8.6.1.2 Financial performance
 - 8.6.1.3 Product benchmarking
 - 8.6.1.4 Strategic initiatives
 - 8.6.2 Enzo Biochem Inc.
 - 8.6.2.1 Company overview
 - 8.6.2.2 Financial performance
 - 8.6.2.3 Product benchmarking
 - 8.6.2.4 Strategic initiatives
 - 8.6.3 Agilent Technologies, Inc.
 - 8.6.3.1 Company overview
 - 8.6.3.2 Financial performance
 - 8.6.3.3 Product benchmarking
 - 8.6.3.4 Strategic initiatives
 - 8.6.4 PerkinElmer Inc.
 - 8.6.4.1 Company overview
 - 8.6.4.2 Financial performance
 - 8.6.4.3 Product benchmarking
 - 8.6.4.4 Strategic initiatives
 - 8.6.5 NanoTemper
 - 8.6.5.1 Company overview
 - 8.6.5.2 Financial performance
 - 8.6.5.3 Product benchmarking
 - 8.6.5.4 Strategic initiatives
 - 8.6.6 GE Healthcare
 - 8.6.6.1 Company overview
 - 8.6.6.2 Financial performance
 - 8.6.6.3 Product benchmarking
 - 8.6.6.4 Strategic initiatives
 - 8.6.7 HORIBA, Ltd.
 - 8.6.7.1 Company overview
 - 8.6.7.2 Financial performance
 - 8.6.7.3 Product benchmarking

- 8.6.7.4 Strategic initiatives
- 8.6.8 Malvern Panalytical Ltd.
 - 8.6.8.1 Company overview
 - 8.6.8.2 Financial performance
 - 8.6.8.3 Product benchmarking
 - 8.6.8.4 Strategic initiatives
- 8.6.9 SETARAM Instrumentation
 - 8.6.9.1 Company overview
 - 8.6.9.2 Financial performance
 - 8.6.9.3 Product benchmarking
 - 8.6.9.4 Strategic initiatives
- 8.6.10 Unchained Labs
 - 8.6.10.1 Company overview
 - 8.6.10.2 Financial performance
 - 8.6.10.3 Product benchmarking
 - 8.6.10.4 Strategic initiatives
- 8.6.11 Waters Corporation
 - 8.6.11.1 Company overview
 - 8.6.11.2 TA Instruments
 - 8.6.11.2.1 Company overview
 - 8.6.11.3 Financial performance
 - 8.6.11.4 Product benchmarking
 - 8.6.11.5 Strategic initiatives

List Of Tables

LIST OF TABLES

TABLE 1 North America protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 2 North America protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 3 North America protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 4 U.S. protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 5 U.S. protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 6 U.S. protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 7 Canada protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 8 Canada protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 9 Canada protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 10 Europe protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 11 Europe protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 12 Europe protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 13 Germany protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 14 Germany protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 15 Germany protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 16 U.K. protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 17 U.K. protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 18 U.K. protein stability analysis market estimates & forecasts, by end use,

2015 - 2026 (USD Million)

TABLE 19 Asia Pacific protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 20 Asia Pacific protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 21 Asia Pacific protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 22 Japan protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 23 Japan protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 24 Japan protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 25 China protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 26 China protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 27 China protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 28 Current development and marketing of biosimilar monoclonal antibodies in Latin America

TABLE 29 Latin America protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 30 Latin America protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 31 Latin America protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 32 Brazil protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 33 Brazil protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 34 Brazil protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 35 Middle East & Africa protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 36 Middle East & Africa protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 37 Middle East & Africa protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 38 South Africa protein stability analysis market estimates & forecasts, by product, 2015 - 2026 (USD Million)

TABLE 39 South Africa protein stability analysis market estimates & forecasts, by technique, 2015 - 2026 (USD Million)

TABLE 40 South Africa protein stability analysis market estimates & forecasts, by end use, 2015 - 2026 (USD Million)

TABLE 41 List of private companies

List Of Figures

LIST OF FIGURES

- FIG. 1 Market segmentation & scope
- FIG. 2 Market snapshot
- FIG. 3 Market research process
- FIG. 4 Information procurement
- FIG. 5 Primary research pattern
- FIG. 6 Market research approaches
- FIG. 7 Value chain-based sizing & forecasting
- FIG. 8 QFD modelling for market share assessment
- FIG. 9 Industry pyramid analysis
- FIG. 10 Penetration & growth prospect mapping for technique, 2019
- FIG. 11 Market trends & outlook
- FIG. 12 Market driver relevance analysis (Current & future impact)
- FIG. 13 Market restraint relevance analysis (Current & future impact)
- FIG. 14 Porter's Five Forces analysis
- FIG. 15 SWOT Analysis, By Factor (political & legal, economic and technological)
- FIG. 16 Protein stability analysis market: Product outlook key takeaways
- FIG. 17 Protein stability analysis market: Product movement analysis
- FIG. 18 Global protein stability analysis reagents and assay kits market, 2015 - 2026 (USD Million)
- FIG. 19 Global protein stability analysis instruments market, 2015 - 2026 (USD Million)
- FIG. 20 Global protein stability analysis consumables and accessories market, 2015 - 2026 (USD Million)
- FIG. 21 Global protein stability analysis software market, 2015 - 2026 (USD Million)
- FIG. 22 Global protein stability analysis services market, 2015 - 2026 (USD Million)
- FIG. 23 Protein stability analysis market: Technique outlook key takeaways
- FIG. 24 Protein stability analysis market: Technique movement analysis
- FIG. 25 Global protein stability analysis market by chromatography, 2015 - 2026 (USD Million)
- FIG. 26 Global protein stability analysis market by spectroscopy, 2015 - 2026 (USD Million)
- FIG. 27 Global protein stability analysis market by differential scanning calorimetry, 2015 - 2026 (USD Million)
- FIG. 28 Global protein stability analysis market by differential scanning fluorimetry, 2015 - 2026 (USD Million)
- FIG. 29 Global protein stability analysis market by dynamic light scattering, 2015 - 2026

(USD Million)

FIG. 30 Global protein stability analysis market by other techniques, 2015 - 2026 (USD Million)

FIG. 31 Protein stability analysis market: End-use outlook key takeaways

FIG. 32 Protein stability analysis market: End-use movement analysis

FIG. 33 Global in protein stability analysis market for biotechnology and pharmaceutical companies, 2015 - 2026 (USD Million)

FIG. 34 Global protein stability analysis market for contract research organizations, 2015 - 2026 (USD Million)

FIG. 35 Global protein stability analysis market for academic research institutes, 2015 - 2026 (USD Million)

FIG. 36 Regional market place: Key takeaway

FIG. 37 Protein stability analysis regional outlook, 2019 & 2026

FIG. 38 North America protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 39 U.S. protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 40 Canada protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 41 Europe protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 42 Germany protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 43 U.K. protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 44 Asia Pacific protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 45 Overview of ProTherm

FIG. 46 Japan protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 47 China protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 48 Latin America protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 49 Brazil protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 50 Middle East & Africa protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 51 South Africa protein stability analysis market, 2015 - 2026 (USD Million)

FIG. 52 Company categorization

FIG. 53 Impact analysis by key companies

FIG. 54 Market position analysis for public companies

FIG. 55 Strategy framework

I would like to order

Product name: Protein Stability Analysis Market Size, Share & Trends Analysis Report By Product (Instruments, Software), By Technique (DSC, DSF), By End Use (CROs), By Region, And Segment Forecasts, 2020 - 2026

Product link: <https://marketpublishers.com/r/P699F3B02E54EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P699F3B02E54EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970