

Life Science Tools Market Size, Share & Trends Analysis Report By Technology (Cell Biology, Proteomics), By Product, By End-use (Government & Academic, Healthcare), By Region, And Segment Forecasts, 2023 - 2030

<https://marketpublishers.com/r/LF54501A866BEN.html>

Date: February 2023

Pages: 265

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

ID: LF54501A866BEN

Abstracts

This report can be delivered to the clients within 1 Business Day

Life Science Tools Market Growth & Trends

The global life science tools market size is expected to reach USD 330.69 billion by 2030, according to a new report by Grand View Research, Inc., expanding at a CAGR of 10.8% from 2023 to 2030. This growth can be attributed to a rise in government funding for life science technologies, demand for cell and gene therapies, an increase in the adoption of biopharmaceuticals, and growing competition among prominent companies in the market.

The exponential rise of COVID-19 cases globally requires rapid diagnosis for containment of the spread of infectious disease, which boosted the demand for life science tools during the pandemic and had a positive impact on the market. Rapid diagnosis of the infection, effective treatments, and preventative plans are essential for the management of cases during the COVID-19 pandemic. The current race for the development of cost-effective point-of-contact test kits and efficient laboratory methodologies for confirmation of SARS-CoV-2 infection has driven a new frontier of diagnostic innovation. During this pandemic, the U.S. FDA granted Emergency Use Authorizations (EUA) to several diagnostic tests to make them rapidly and easily available for use. For example, in May 2022, the U.S. FDA granted a EUA to ID NOW COVID-19 2.0, a rapid in-vitro diagnostic test by Abbott Diagnostics Scarborough, Inc.

Moreover, a wide range of commercial COVID-19 tests is available in the marketplace, which will further add to revenue generation.

Additionally, the life science tools industry is expanding based on the increasing investments by the government for the advancement of research and technologies. Organizations such as The National Human Genome Research Institute (NHGRI) and the National Institutes of Health (NIH) are actively funding various life science projects. For instance, the NIH funded USD 25 million for the '4D Nucleome Program', which aims to understand gene regulation and cellular expression via the nuclear organization. Moreover, the U.S. government has funded several life sciences companies for R&D purposes. For instance, the Biomedical Advanced Research and Development Authority (BARDA) has planned to make awards worth USD 750,000 to facilitate the development of innovative technologies in the healthcare sector. Thus, the increase in government funding for life science research as well as technologies is expected to drive the market in the coming years.

Key players are also contributing to the growth of the market by providing advanced tools and techniques. Furthermore, companies are introducing new automated solutions in the market, which, in turn, provide lucrative opportunities for market growth. For instance, in February 2022, Covaris, LLC. announced the launch of truXTRAC FFPE Total NA Auto 96 Kit, a fully automated workflow comprising all necessary accessories, consumables, and reagents. This automated kit is powered by Adaptive Focused Acoustics (AFA) technology that allows both purification and extraction of RNA & DNA for FFPE (formalin fixed paraffin embedded) samples in 5 hours. The introduction of innovative solutions is expected to drive the market in the near future.

Life Science Tools Market Report Highlights

By technology, cell biology technology accounted for the largest share in 2022. The introduction of novel technologies for the usage and adoption of stem cells, CAR T-cells, TCR T-cells, NK T-cells, and other cell therapies is expected to boost revenue generation in this segment

By product, the cell culture systems and 3D cell culture segment held the largest share in 2022. Cell biology is gaining popularity across multiple aspects in the life science industry, which is contributing significantly to the revenue generated by this segment

By end-use, the healthcare segment generated the highest revenue in 2022. The rise in adoption of proteomic and genomic workflows in clinics, hospitals, and diagnostic laboratories for the treatment and diagnosis of several clinically presented abnormalities is anticipated to drive the market

North America accounted for the largest revenue share in 2022. The rapid adoption of genomics, proteomics, oncology, and diagnostic screening in the region has contributed to regional growth. In addition, a number of major market players are continuously engaged in the development of advanced tools for life science research in this region

Asia Pacific is expected to grow at the highest rate over the projected period. Investments by global companies in this region to utilize the untapped avenue and lucrative opportunities will drive the regional market

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Research Methodology
- 1.2 Research Assumptions
 - 1.2.1 Estimates And Forecast Timeline
- 1.3 Information Procurement
 - 1.3.1 Purchased Database
 - 1.3.2 Gvr's Internal Database
 - 1.3.3 Secondary Sources
 - 1.3.4 Secondary Sources
 - 1.3.5 Primary Research
 - 1.3.6 Sample Size For The Study On Life Science Tools Market:
 - 1.3.6.1 Primary Sources:
 - 1.3.6.2 Details Of Primary Research
 - 1.3.6.3 Secondary Data Sources:
- 1.4 Information Or Data Analysis
 - 1.4.1 Data Analysis Models
- 1.5 Market Formulation & Validation
- 1.6 Market Model
 - 1.6.1 Nucleic Acid Preparation Market
 - 1.6.2 Cell Biology Market
 - 1.6.2.1 Comparison Of 3d Cell Culture Techniques
 - 1.6.3 Next-Generation Sequencing & Transfection Electroporation Market
 - 1.6.4 Market Study, By Technology
 - 1.6.4.1 Qfd Modeling For Market Share Assessment Of Technologies
 - 1.6.5 Market Study, By End Use
- 1.7 Global Market: Cagr Calculation
- 1.8 Objectives
 - 1.8.1 Objective 1:
 - 1.8.2 Objective 2:

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Snapshot
- 2.2 Segment Snapshot
- 2.3 Competitive Landscape Snapshot

CHAPTER 3 MARKET VARIABLES, TRENDS, AND SCOPE

3.1 Market Segmentation & Scope

3.2 Market Trends & Outlook

3.3 Market Lineage Outlook

3.3.1 Related/Ancillary Market Outlook

3.4 Market Dynamics

3.4.1 Market Driver Analysis

3.4.1.1 Increased Government Funding For Life Science Technologies

3.4.1.2 Growth Of Cell And Gene Therapies

3.4.1.3 Rise In The Demand For Biopharmaceuticals (Biologics & Biosimilars)

3.4.1.4 Technological Advancements In Life Science Tools

3.4.1.5 Applications Of Genomic And Proteomic Technologies For Precision Medicine

3.4.2 Market Restraint Analysis

3.4.2.1 High Cost For Some Technologies

3.4.2.2 Dearth Of Skilled Professionals

3.4.3 Market Opportunity Analysis

3.4.3.1 Utility In Viral Analysis

3.4.3.2 Rise In The Number Of Strategic Deals & Developments

3.5 Penetration And Growth Prospect Mapping For Technology, 2022 (USD Million)

3.6 Impact Of Covid-19 Pandemic On Global Life Science Tools Market

3.6.1 Impact On The Supply Chain

3.6.2 Impact On Life Sciences & Healthcare Industry

3.7 Business Environment Analysis

3.7.1 Swot Analysis; By Factor (Political & Legal, Economic, And Technological)

3.7.2 Porter's Five Forces Analysis

CHAPTER 4 TECHNOLOGY BUSINESS ANALYSIS

4.1 Life Science Tools Market: Technology Movement Analysis

4.2 Genomic Technology

4.2.1 Genomic Technology Market Estimates And Forecast, 2018 - 2030 (USD Billion)

4.3 Proteomics Technology

4.3.1 Proteomics Technology Market Estimates And Forecast, 2018 - 2030 (USD Billion)

4.4 Cell Biology Technology

4.4.1 Cell Biology Technology Market Estimates And Forecast, 2018 - 2030 (USD Billion)

4.5 Other Analytical & Sample Preparation Technology

4.5.1 Other Analytical & Sample Preparation Technology Market Estimates And Forecast, 2018 - 2030 (USD Billion)

4.6 Lab Supplies & Technologies

4.6.1 Lab Supplies & Technology Market Estimates And Forecast, 2018 - 2030 (USD Billion)

CHAPTER 5 PRODUCT BUSINESS ANALYSIS

5.1 Life Science Tools Market: Product Movement Analysis

5.2 Cell Culture Systems & 3d Cell Culture

5.2.1 Life Science Tools Market For Cell Culture Systems & 3d Cell Culture, 2018 - 2030 (USD Million)

5.2.2 Instruments

5.2.3 Consumables

5.2.4 Cell & Tissue Culture Services

5.3 Liquid Chromatography (Lc)

5.3.1 Life Science Tools Market For Liquid Chromatography, 2018 - 2030 (USD Million)

5.3.2 Instruments

5.3.3 Consumables

5.3.4 Services

5.4 Mass Spectrometry (Ms)

5.4.1 Life Science Tools Market For Mass Spectrometry, 2018 - 2030 (USD Million)

5.4.2 Instruments

5.4.3 Consumables

5.4.4 Services

5.5 Next-Generation Sequencing (Ngs)

5.5.1 Life Science Tools Market Estimates And Forecast For Ngs, 2018 - 2030 (USD Billion)

5.5.2 Instruments

5.5.3 Consumables

5.5.4 Services

5.6 Pcr & Qpcr

5.6.1 Life Science Tools Market Estimates And Forecast For Pcr & Qpcr, 2018 - 2030 (USD Million)

5.6.2 Instruments

5.6.3 Consumables

5.6.4 Services

5.7 Flow Cytometry

- 5.7.1 Life Science Tools Market For Flow Cytometry, 2018 - 2030 (USD Million)
- 5.7.2 Instruments
- 5.7.3 Consumables
- 5.7.4 Services
- 5.8 Nuclear Magnetic Resonance Spectroscopy (Nmr)
 - 5.8.1 Life Science Tools Market For Nuclear Magnetic Resonance Spectroscopy, 2018 - 2030 (USD Million)
 - 5.8.2 Instruments
 - 5.8.3 Consumables
 - 5.8.4 Services
- 5.9 Microscopy & Electron Microscopy
 - 5.9.1 Life Science Tools Market For Microscopy & Electron Microscopy, 2018 - 2030 (USD Million)
 - 5.9.2 Instruments
 - 5.9.3 Consumables
 - 5.9.4 Services
- 5.10 Nucleic Acid Preparation (Nap)
 - 5.10.1 Life Science Tools Market For Nucleic Acid Preparation, 2018 - 2030 (USD Million)
 - 5.10.2 Instruments
 - 5.10.3 Consumables
 - 5.10.4 Services
- 5.11 Transfection Devices & Gene Delivery Technologies
 - 5.11.1 Life Science Tools Market For Transfection Devices & Gene Delivery Technologies, 2018 - 2030 (USD Million)
 - 5.11.2 Equipment
 - 5.11.3 Reagents
- 5.12 Cloning & Genome Engineering
 - 5.12.1 Life Science Tools Market For Cloning & Genome Engineering, 2018 - 2030 (USD Million)
 - 5.12.2 Kits, Reagents, And Consumables
 - 5.12.3 Services
- 5.13 Nucleic Acid Microarray
 - 5.13.1 Life Science Tools Market For Nucleic Acid Microarray, 2018 - 2030 (USD Million)
 - 5.13.2 Instruments
 - 5.13.3 Consumables
 - 5.13.4 Services
- 5.14 Sanger Sequencing

5.14.1 Life Science Tools Market For Sanger Sequencing, 2018 - 2030 (USD Million)

5.14.2 Instrument

5.14.3 Consumables

5.14.4 Services

5.15 Other Separation Technologies

5.15.1 Life Science Tools Market For Other Separation Technologies, 2018 - 2030
(USD Million)

5.15.2 Instrument

5.15.3 Consumables

5.15.4 Services

5.16 Other Products & Services

5.16.1 Life Science Tools Market For Other Products & Services, 2018 - 2030 (USD
Million)

5.16.2 Antibodies

5.16.3 General Supplies

5.16.4 Others

5.16.4.1 Life Science Tools Market For Others, 2018 - 2030 (USD Million)

5.16.4.2 Instruments

5.16.4.3 Consumables

5.16.4.4 Services

CHAPTER 6 END-USE BUSINESS ANALYSIS

6.1 Life Science Tools Market: End-Use Movement Analysis

6.2 Government & Academic

6.2.1 Life Science Tools Market For Government & Academic End Use, 2018 - 2030
(USD Billion)

6.3 Biopharmaceutical Company

6.3.1 Life Science Tools Market For Biopharmaceutical Companies, 2018 - 2030 (USD
Billion)

6.4 Healthcare

6.4.1 Life Science Tools Market For Health Care End Use, 2018 - 2030 (USD Billion)

6.5 Industrial Applications

6.5.1 Life Science Tools Market For Industry End Use, 2018 - 2030 (USD Billion)

6.6 Other

6.6.1 Life Science Tools Market For Other End Use, 2018 - 2030 (USD Billion)

CHAPTER 7 LIFE SCIENCES TOOLS MARKET: REGIONAL ESTIMATES AND TREND ANALYSIS, BY PRODUCT, TECHNOLOGY, & END-USE

7.1 North America

7.1.1 Swot Analysis:

7.1.1.1 North America Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.1.2 U.S.

7.1.2.1 Key Country Dynamics

7.1.2.2 Competitive Scenario

7.1.2.3 Market Scenario

7.1.2.4 Regulatory Framework

7.1.2.5 Reimbursement Scenario

7.1.2.6 U.S. Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.1.3 Canada

7.1.3.1 Key Country Dynamics

7.1.3.2 Competitive Scenario

7.1.3.3 Market Scenario

7.1.3.4 Regulatory Framework

7.1.3.5 Reimbursement Scenario

7.1.3.6 Canada Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.2 Europe

7.2.1 Swot Analysis:

7.2.1.1 Europe Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.2.2 Germany

7.2.2.1 Key Country Dynamics

7.2.2.2 Competitive Scenario

7.2.2.3 Market Scenario

7.2.2.4 Regulatory Framework

7.2.2.5 Reimbursement Scenario

7.2.2.6 Germany Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.2.3 UK

7.2.3.1 Key Country Dynamics

7.2.3.2 Competitive Scenario

7.2.3.3 Market Scenario

7.2.3.4 Reimbursement Scenario

7.2.3.5 UK Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

Billion)

7.2.4 France

7.2.4.1 Key Country Dynamics

7.2.4.2 Competitive Scenario

7.2.4.3 Market Scenario

7.2.4.4 France Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030

(USD Billion)

7.2.5 Italy

7.2.5.1 Key Country Dynamics

7.2.5.2 Competitive Scenario

7.2.5.3 Market Scenario

7.2.5.4 Regulatory Framework

7.2.5.5 Italy Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD

Billion)

7.2.6 Spain

7.2.6.1 Key Country Dynamics

7.2.6.2 Competitive Scenario

7.2.6.3 Market Scenario

7.2.6.4 Biotechnology R&D Projects Approved In Spain In 2020

7.2.6.5 Spain Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030

(USD Billion)

7.2.7 Switzerland

7.2.7.1 Competitive Scenario

7.2.7.2 M&A And Collaborations, 2020-2022

7.2.7.3 Switzerland Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.2.8 Denmark

7.2.8.1 Key Country Dynamics

7.2.8.2 Current And Upcoming Biotech Companies Investments In Eastern Denmark

7.2.8.3 Regulatory Framework

7.2.8.4 Denmark Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030

(USD Billion)

7.2.9 Norway

7.2.9.1 Key Country Dynamics

7.2.9.2 Top Biotechnology Companies, Based On Revenue As Of 2021

7.2.9.3 Regulatory Framework

7.2.9.4 Norway Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030

(USD Billion)

7.2.10 Sweden

7.2.10.1 Key Country Dynamics

7.2.10.2 Market Overview

7.2.10.3 Cancer Prevalance

7.2.10.4 Regulatory Framework

7.2.10.5 Sweden Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030
(USD Billion)

7.3 Asia Pacific

7.3.1 Swot Analysis:

7.3.1.1 Asia Pacific Life Sciences Tools Market Estimates And Forecasts, 2018 -
2030 (USD Billion)

7.3.2 Japan

7.3.2.1 Key Country Dynamics

7.3.2.2 Competitive Scenario

7.3.2.3 Market Scenario

7.3.2.4 Regulatory Framework

7.3.2.5 Reimbursement Scenario

7.3.2.6 Japan Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030
(USD Billion)

7.3.3 China

7.3.3.1 Key Country Dynamics

7.3.3.2 Competitive Scenario

7.3.3.3 Market Scenario

7.3.3.4 Regulatory Framework

7.3.3.5 Reimbursement Scenario

7.3.3.6 China Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030
(USD Billion)

7.3.4 India

7.3.4.1 Key Country Dynamics

7.3.4.2 Competitive Scenario

7.3.4.3 Market Scenario

7.3.4.4 Regulatory Framework

7.3.4.5 India Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD
Billion)

7.3.5 South Korea

7.3.5.1 Key Country Dynamics

7.3.5.2 Competitive Scenario

7.3.5.3 Market Scenario

7.3.5.4 Trend Of Public R&D Projects For Personalized Medicine By Technology
Clusters

7.3.5.5 Regulatory Framework

7.3.5.6 Reimbursement Scenario

7.3.5.7 South Korea Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.3.6 Australia

7.3.6.1 Key Country Dynamics

7.3.6.2 Competitive Scenario

7.3.6.3 Market Scenario

7.3.6.4 Reimbursement Scenario

7.3.6.5 Australia Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.3.7 Singapore

7.3.7.1 Key Country Dynamics

7.3.7.2 Competitive Scenario

7.3.7.3 Reimbursement Scenario

7.3.7.4 Singapore Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.3.8 Thailand

7.3.8.1 Key Country Dynamics

7.3.8.2 Thailand Key Disease Prevalence

7.3.8.3 Regulatory Framework

7.3.8.4 Reimbursement Scenario

7.3.8.5 Thailand Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.4 Latin America

7.4.1 Swot Analysis:

7.4.1.1 Latin America Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.4.2 Argentina

7.4.2.1 Key Country Dynamics

7.4.2.2 Market Scenario

7.4.2.3 Regulatory Scenario

7.4.2.4 Reimbursement Scenario

7.4.2.5 Argentina Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.4.3 Brazil

7.4.3.1 Key Country Dynamics

7.4.3.2 Competitive Scenario

7.4.3.3 Market Scenario

7.4.3.4 Regulatory Framework

7.4.3.5 Brazil Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030

(USD Billion)

7.4.4 Mexico

7.4.4.1 Key Country Dynamics

7.4.4.2 Competitive Scenario

7.4.4.3 Market Scenario

7.4.4.4 Mexico Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030

(USD Billion)

7.5 Middle East And Africa

7.5.1 Swot Analysis:

7.5.1.1 MEA Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.5.2 South Africa

7.5.2.1 Key Country Dynamics

7.5.2.2 Competitive Scenario

7.5.2.3 Market Scenario

7.5.2.4 Reimbursement Scenario

7.5.2.5 Regulatory Framework

7.5.2.6 South Africa Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.5.3 UAE

7.5.3.1 Key Country Dynamics

7.5.3.2 Competitive Scenario

7.5.3.3 Market Scenario

7.5.3.4 Regulatory Framework

7.5.3.5 Uae Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.5.4 Saudi Arabia

7.5.4.1 Key Country Dynamics

7.5.4.2 Competitive Scenario

7.5.4.3 Market Scenario

7.5.4.4 Regulatory Framework

7.5.4.5 Reimbursement Scenario

7.5.4.6 Saudi Arabia Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030 (USD Billion)

7.5.5 Kuwait

7.5.5.1 Key Country Dynamics

7.5.5.2 Competitive Scenario

7.5.5.3 Key Development In Healthcare Sector Of Kuwait

7.5.5.4 Regulatory Framework

7.5.5.5 Kuwait Life Sciences Tools Market Estimates And Forecasts, 2018 - 2030
(USD Billion)

CHAPTER 8 COMPETITIVE LANDSCAPE

8.1 Company Categorization

8.2 Company Market Positioning

8.3 Company Market Share Analysis, 2022

8.4 Company Heat Map Analysis

8.5 Strategy Mapping

8.6 Company Profiles/Listing

8.6.1 Thermo Fisher Scientific Inc.

8.6.1.1. Overview

8.6.1.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)

8.6.1.3. Product Benchmarking

8.6.1.4. Strategic Initiatives

8.6.2 Danaher Corporation

8.6.2.1. Overview

8.6.2.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)

8.6.2.3. Product Benchmarking

8.6.2.4. Strategic Initiatives

8.6.3 Illumina, Inc.

8.6.3.1. Overview

8.6.3.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)

8.6.3.3. Product Benchmarking

8.6.3.4. Strategic Initiatives

8.6.4 Merck Kgaa

8.6.4.1. Overview

8.6.4.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)

8.6.4.3. Product Benchmarking

8.6.4.4. Strategic Initiatives

8.6.5 BD

8.6.5.1. Overview

8.6.5.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)

8.6.5.3. Product Benchmarking

8.6.5.4. Strategic Initiatives

8.6.6 Qiagen

- 8.6.6.1. Overview
- 8.6.6.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)
- 8.6.6.3. Product Benchmarking
- 8.6.6.4. Strategic Initiatives
- 8.6.7 Bio-Rad Laboratories Inc.
 - 8.6.7.1. Overview
 - 8.6.7.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)
 - 8.6.7.3. Product Benchmarking
 - 8.6.7.4. Strategic Initiatives
- 8.6.8 Agilent Technologies, Inc.
 - 8.6.8.1. Overview
 - 8.6.8.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)
 - 8.6.8.3. Product Benchmarking
 - 8.6.8.4. Strategic Initiatives
- 8.6.9 Hitachi, Ltd.
 - 8.6.9.1. Overview
 - 8.6.9.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)
 - 8.6.9.3. Product Benchmarking
 - 8.6.9.4. Strategic Initiatives
- 8.6.10 F. Hoffmann-La Roche Ltd
 - 8.6.10.1. Overview
 - 8.6.10.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)
 - 8.6.10.3. Product Benchmarking
 - 8.6.10.4. Strategic Initiatives
- 8.6.11 Bruker
 - 8.6.11.1. Overview
 - 8.6.11.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)
 - 8.6.11.3. Product Benchmarking
 - 8.6.11.4. Strategic Initiatives
- 8.6.12 Oxford Instruments Plc
 - 8.6.12.1. Overview
 - 8.6.12.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)
 - 8.6.12.3. Product Benchmarking
 - 8.6.12.4. Strategic Initiatives
- 8.6.13 Zeiss International
 - 8.6.13.1. Overview
 - 8.6.13.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)
 - 8.6.13.3. Product Benchmarking
 - 8.6.13.4. Strategic Initiatives

8.6.14 Shimadzu Corporation

8.6.14.1. Overview

8.6.14.2. Financial Performance (Net Revenue/Sales/EBITDA/Gross Profit)

8.6.14.3. Product Benchmarking

8.6.14.4. Strategic Initiatives

List Of Tables

LIST OF TABLES

Table 1 NIH common fund awards for biomedical research
Table 2 Business grants for life science and biotech in Canada
Table 3 PMDA-approved regenerative medicine, April, 2015-January, 2022
Table 4 Top biologic drugs in the U.S.
Table 5 Sequencing-related preparation procedures and their use
Table 6 Automated nucleic acid extraction systems
Table 7 Gene discoveries and its application in personalized treatment for neurologic diseases
Table 8 List of FDA approved molecular tests by key players for COVID-19 diagnosis
Table 9 Illumina workflows to address COVID-19
Table 10 Proteomics techniques: advantages and disadvantages
Table 11 Recent launch of automated sample preparation system by key market players
Table 12 Manufacturers & suppliers operational in the U.S.: laboratory glassware
Table 13 Key vendors and models for mass spectrometry instruments
Table 14 NGS instruments: comparison
Table 15 Cloning related service providers in the U.S.
Table 16 Sanger sequencing cleanup kits: types
Table 17 Protein lysis buffers for different protein locations
Table 18 Total protein extraction reagents for laboratory use
Table 19 Applications of proteomics in food and nutrition industry
Table 20 Key companies adopting expansion strategy
Table 21 Key companies adopting partnership strategy
Table 22 Key companies adopting collaboration strategy
Table 23 Key companies launching new products/services
Table 24 Key companies adopting acquisition strategy
Table 25 Key companies adopting other strategies
Table 26 List of Secondary Sources
Table 27 List of Abbreviations
Table 28 Global Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)
Table 29 Global Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)
Table 30 Global Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)
Table 31 Global Life Science Tools Market, by Region, 2018 - 2030 (USD Billion)
Table 32 North America Life Science Tools Market, by Country, 2018 - 2030 (USD Billion)
Table 33 North America Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Billion)

Table 34 North America Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 35 North America Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 36 U.S. Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 37 U.S. Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 38 U.S. Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 39 Canada Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 40 Canada Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 41 Canada Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 42 Europe Life Science Tools Market, by Country, 2018 - 2030 (USD Billion)

Table 43 Europe Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 44 Europe Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 45 Europe Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 46 Germany Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 47 Germany Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 48 Germany Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 49 UK Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 50 UK Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 51 UK Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 52 France Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 53 France Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 54 France Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 55 Italy Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 56 Italy Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 57 Italy Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 58 Spain Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 59 Spain Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 60 Spain Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 61 Denmark Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 62 Denmark Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 63 Denmark Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 64 Norway Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 65 Norway Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 66 Norway Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 67 Sweden Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 68 Sweden Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 69 Sweden Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 70 Asia Pacific Life Science Tools Market, by Country, 2018 - 2030 (USD Billion)

Table 71 Asia Pacific Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 72 Asia Pacific Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 73 Asia Pacific Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 74 China Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 75 China Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 76 China Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 77 Japan Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 78 Japan Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 79 Japan Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 80 India Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 81 India Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 82 India Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 83 South Korea Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 84 South Korea Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 85 South Korea Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 86 Australia Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 87 Australia Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 88 Australia Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 89 Thailand Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 90 Thailand Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 91 Thailand Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 92 Latin America Life Science Tools Market, by Country, 2018 - 2030 (USD Billion)

Table 93 Latin America Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 94 Latin America Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 95 Latin America Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 96 Brazil Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 97 Brazil Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 98 Brazil Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

Table 99 Mexico Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)

Table 100 Mexico Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)

Table 101 Mexico Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)
Table 102 Argentina Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)
Table 103 Argentina Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)
Table 104 Argentina Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)
Table 105 Middle East and Africa Life Science Tools Market, by Country, 2018 - 2030 (USD Billion)
Table 106 Middle East and Africa Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)
Table 107 Middle East and Africa Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)
Table 108 Middle East and Africa Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)
Table 109 South Africa Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)
Table 110 South Africa Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)
Table 111 South Africa Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)
Table 112 Saudi Arabia Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)
Table 113 Saudi Arabia Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)
Table 114 Saudi Arabia Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)
Table 115 UAE Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)
Table 116 UAE Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)
Table 117 UAE Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)
Table 118 Kuwait Life Science Tools Market, by Technology, 2018 - 2030 (USD Billion)
Table 119 Kuwait Life Science Tools Market, by Product, 2018 - 2030 (USD Billion)
Table 120 Kuwait Life Science Tools Market, by End-use, 2018 - 2030 (USD Billion)

List Of Figures

LIST OF FIGURES

- Fig. 1 Market research process
- Fig. 2 Data triangulation techniques
- Fig. 3 Primary research pattern
- Fig. 4 Executives contacted
- Fig. 5 Market research approaches
- Fig. 6 Value-chain-based sizing & forecasting
- Fig. 7 QFD modeling for market share assessment
- Fig. 8 Market formulation & validation
- Fig. 9 Analysis of individual techniques for global market modeling
- Fig. 10 Ancillary market analysis
- Fig. 11 Commodity flow analysis modeling for nucleic acid preparation market
- Fig. 12 Key products
- Fig. 13 Comparison of 3D cell culture techniques
- Fig. 14 Technology offerings of key players in 3D cell culture market
- Fig. 15 Next-generation sequencing market: penetration of key players
- Fig. 16 Transfection electroporation market: penetration of key players
- Fig. 17 QFD modeling for market share assessment of technologies
- Fig. 18 Commodity flow analysis modeling for end users
- Fig. 19 Penetration of key players in the academic/government end-use segment
- Fig. 20 End-use specific revenues generated by Agilent Technologies
- Fig. 21 Market snapshot
- Fig. 22 Segment snapshot
- Fig. 23 Competitive landscape snapshot
- Fig. 24 Life science tools market segmentation
- Fig. 25 Market driver impact
- Fig. 26 Cell therapies under investigation, by country
- Fig. 27 Cell therapies under investigation, by type
- Fig. 28 Clinical trials conducted for gene therapy
- Fig. 29 Market restraint impact
- Fig. 30 Penetration and growth prospect mapping
- Fig. 31 Key macroeconomic challenges associated with the pandemic
- Fig. 32 Key elements to enhance the supply chain post COVID
- Fig. 33 Types of COVID-19 tests
- Fig. 34 Role of NGS to combat COVID-19 outbreak
- Fig. 35 SWOT analysis, by factor (Political & legal, economic, and technological)

Fig. 36 Porter's five forces analysis

Fig. 37 Life science tools market: technology outlook and key takeaways

Fig. 38 Life science tools market: technology movement analysis

Fig. 39 Genomic technology market estimates and forecast, 2018 - 2030 (USD Billion)

Fig. 40 Proteomics technology market estimates and forecast, 2018 - 2030 (USD Billion)

Fig. 41 Cell biology technology market estimates and forecast, 2018 - 2030 (USD Billion)

Fig. 42 Other analytical & sample preparation technology market estimates and forecast, 2018 - 2030 (USD Billion)

Fig. 43 Lab supplies & technology market estimates and forecast, 2018 - 2030 (USD Billion)

Fig. 44 Life science tools market: product outlook and key takeaways

Fig. 45 Life science tools market: product movement analysis

Fig. 46 Life science tools market for cell culture systems & 3D cell culture, 2018 - 2030 (USD Billion)

Fig. 47 Life science tools market estimates and forecast for cell culture systems & 3D cell culture by product, 2018 - 2030 (USD Billion)

Fig. 48 Life science tools market for liquid chromatography, 2018 - 2030 (USD Billion)

Fig. 49 Life science tools market estimates and forecast for LC, by product, 2018 - 2030 (USD Billion)

Fig. 50 Life science tools market for mass spectrometry, 2018 - 2030 (USD Billion)

Fig. 51 Life science tools market estimates and forecast for MS, by product, 2018 - 2030 (USD Billion)

Fig. 52 Life science tools market estimates and forecast for NGS, 2018 - 2030 (USD Billion)

Fig. 53 Life science tools market estimates and forecast for NGS, by product, 2018 - 2030 (USD Billion)

Fig. 54 Life science tools market estimates and forecast for PCR & qPCR, 2018 - 2030 (USD Billion)

Fig. 55 Life science tools market estimates and forecast for PCR & qPCR, by product, 2018 - 2030 (USD Billion)

Fig. 56 Life science tools market for flow cytometry, 2018 - 2030 (USD Billion)

Fig. 57 Life science tools market estimates and forecast for flow cytometry, by product, 2018 - 2030 (USD Billion)

Fig. 58 Life science tools market for nuclear magnetic resonance spectroscopy, 2018 - 2030 (USD Billion)

Fig. 59 Life science tools market estimates and forecast for NMR, by product, 2018 - 2030 (USD Billion)

Fig. 60 Life science tools market for microscopy & electron microscopy, 2018 - 2030 (USD Billion)

Fig. 61 Life science tools market estimates and forecast for microscopy & electron microscopy, by product, 2018 - 2030 (USD Billion)

Fig. 62 Life science tools market for nucleic acid preparation, 2018 - 2030 (USD Billion)

Fig. 63 Life science tools market estimates and forecast for NAP, by product, 2018 - 2030 (USD Billion)

Fig. 64 Life science tools market for transfection devices & gene delivery technologies, 2018 - 2030 (USD Billion)

Fig. 65 Life science tools market estimates and forecast for transfection devices & gene delivery technologies, by product, 2018 - 2030 (USD Billion)

Fig. 66 Life science tools market for cloning & genome engineering, 2018 - 2030 (USD Billion)

Fig. 67 Life science tools market estimates and forecast for cloning & genome engineering, by product, 2018 - 2030 (USD Billion)

Fig. 68 Cloning kits, reagents, and consumables offered by Merck

Fig. 69 Life science tools market for nucleic acid microarray, 2018 - 2030 (USD Billion)

Fig. 70 Life science tools market for nucleic acid microarray, by product, 2018 - 2030 (USD Billion)

Fig. 71 Life science tools market for sanger sequencing, 2018 - 2030 (USD Billion)

Fig. 72 Life science tools market for sanger sequencing, by product, 2018 - 2030 (USD Billion)

Fig. 73 Life science tools market for other separation technologies, 2018 - 2030 (USD Billion)

Fig. 74 Life science tools market for other separation technologies, by product, 2018 - 2030 (USD Billion)

Fig. 75 Life science tools market for other products & services, 2018 - 2030 (USD Billion)

Fig. 76 Life science tools market estimates and forecast for other products & services, by product, 2018 - 2030 (USD Billion)

Fig. 77 Life science tools market for others, 2018 - 2030 (USD Billion)

Fig. 78 Life science tools market for others, by product, 2018 - 2030 (USD Billion)

Fig. 79 Life science tools market: End-use outlook and key takeaways

Fig. 80 Life science tools market: end-use movement analysis

Fig. 81 Life science tools market for government & academic end use, 2018 - 2030 (USD Billion)

Fig. 82 Life science tools market for biopharmaceutical companies, 2018 - 2030 (USD Billion)

Fig. 83 Life science tools market for healthcare end use, 2018 - 2030 (USD Billion)

- Fig. 84 Life science tools market for industry end use, 2018 - 2030 (USD Billion)
- Fig. 85 Life science tools market for other end use, 2018 - 2030 (USD Billion)
- Fig. 86 Regional marketplace: key takeaways
- Fig. 87 North America: SWOT analysis
- Fig. 88 North America life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 89 Key country dynamics
- Fig. 90 U.S. life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 91 Key country dynamics
- Fig. 92 Canada life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 93 Europe: SWOT analysis
- Fig. 94 Europe life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 95 Key country dynamics
- Fig. 96 Germany life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 97 Key country dynamics
- Fig. 98 UK life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 99 Key country dynamics
- Fig. 100 France life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 101 Key country dynamics
- Fig. 102 Italy life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 103 Key country dynamics
- Fig. 104 Market scenario
- Fig. 105 Key country dynamics
- Fig. 106 Spain life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 107 Switzerland life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 108 Key country dynamics
- Fig. 109 Current and upcoming biotech companies investments in Eastern Denmark
- Fig. 110 Regulatory framework
- Fig. 111 Denmark life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 112 Key country dynamics

Fig. 113 Top Biotechnology Companies, Based on revenue as of 2021

Fig. 114 Regulatory framework

Fig. 115 Norway life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 116 Key country dynamics

Fig. 117 Top biotechnology companies, based on revenue as of 2021

Fig. 118 Cancer prevalence

Fig. 119 Regulatory framework

Fig. 120 Sweden life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 121 Europe: SWOT analysis

Fig. 122 Asia Pacific life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 123 Key country dynamics

Fig. 124 Japan life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 125 Key country dynamics

Fig. 126 Regulatory framework

Fig. 127 Regulatory scenario

Fig. 128 Reimbursement scenario

Fig. 129 China life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 130 Key country dynamics

Fig. 131 India life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 132 Key country dynamics

Fig. 133 Trend of public R&D projects for personalized medicine by technology clusters

Fig. 134 Regulatory framework

Fig. 135 Reimbursement Scenario

Fig. 136 South Korea life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 137 Key country dynamics

Fig. 138 Australia life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 139 Singapore life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 140 Key country dynamics

Fig. 141 Thailand key disease prevalence

Fig. 142 Regulatory framework

Fig. 143 Reimbursement scenario

Fig. 144 Thailand life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 145 Latin America: SWOT analysis

Fig. 146 Latin America life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 147 Key country dynamics

Fig. 148 Regulatory scenario

Fig. 149 Reimbursement scenario

Fig. 150 Argentina life sciences tools estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 151 Key country dynamics

Fig. 152 Regulatory framework

Fig. 153 Brazil life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 154 Key country dynamics

Fig. 155 Mexico life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 156 MEA: SWOT analysis

Fig. 157 MEA life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 158 Key country dynamics

Fig. 159 Reimbursement scenario

Fig. 160 Regulatory framework

Fig. 161 South Africa. life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 162 Key country dynamics

Fig. 163 Regulatory framework

Fig. 164 UAE life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 165 Key country dynamics

Fig. 166 Reimbursement scenario

Fig. 167 Saudi Arabia life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 168 Key country dynamics

Fig. 169 Key development in healthcare sector of Kuwait

Fig. 170 Regulatory framework

Fig. 171 Kuwait life sciences tools market estimates and forecasts, 2018 - 2030 (USD Billion)

Fig. 172 Market participant categorization

Fig. 173 Life science tools market share analysis, 2022

Fig. 174 Strategic framework

I would like to order

Product name: Life Science Tools Market Size, Share & Trends Analysis Report By Technology (Cell Biology, Proteomics), By Product, By End-use (Government & Academic, Healthcare), By Region, And Segment Forecasts, 2023 - 2030

Product link: <https://marketpublishers.com/r/LF54501A866BEN.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/LF54501A866BEN.html>