

Life Sciences & Analytical Reagents Market Applications, Current Trends, Opportunities & Global Forecasts (2011 – 2016)

https://marketpublishers.com/r/L7E0CC4706FEN.html

Date: June 2012 Pages: 326 Price: US\$ 5,650.00 (Single User License) ID: L7E0CC4706FEN

Abstracts

LIFE SCIENCES (PCR, Cell Culture, In-Vitro Diagnostics, Expression & Transfection) & ANALYTICAL REAGENTS (Chromatography, Mass Spectrometry, Electrophoresis, Flow Cytometry) MARKET APPLICATIONS (Protein Purification, Gene Expression, DNA & RNA Analysis, & Drug Testing), CURRENT TRENDS, OPPORTUNITIES & GLOBAL FORECASTS (2011 – 2016)

Biotechnology (life science and analytical) reagents are the substances or compounds used to detect or synthesize another substance in order to provide a test reading. These reagents are used in the field of research, diagnosis, bioscience, and education.

The life sciences and analytical reagents market report studies the life science and analytical reagents market, by technology, end-users, and applications. The life sciences and analytical reagents market, by technology studied in this report are segmented as life science reagents and analytical reagents; of which life science segment accounted for the largest share of 59.37% of the total market in 2011. The global life science and analytical reagents market was valued at \$40,308.8 million in 2011 and is expected to reach \$59,319.2 million by 2016; growing at a CAGR of 8% from 2011 to 2016.

The life sciences and analytical reagents market is driven by the increasing use of reagents in therapeutics, basic research and commercial applications. The demand for biotechnology reagents is mainly dependent upon the growth of the biotechnology instrumentation market. The biotechnology instrumentation market continues to witness significant growth due to an increase in the number of biotechnology firms around the globe and increase in research and development expenditure by the biotechnology



companies, thus augmenting the demand for biotechnology instruments. Continual product developments are being witnessed in various industries, such as pharmaceutical/bio-pharmaceutical, agri-biotech, and food and beverages; this is expected to facilitate market growth.

North America dominated the life sciences and analytical reagents market with 46.28% share in 2011. Successful completion of the first phase of the Human Genome Project, ahead of schedule, has given rise in the U.S. reagent market. Investments, government funding, and new products are driving the reagents market in the U.S. The Asian market, however, shows greater opportunities, when compared to other regions, with the highest CAGR of 11.8% from 2011 to 2016; due to increased research outsourcing activities in the life technology field.

Major players in the global life science and analytical reagents market include Life Technologies, (U.S.), Bio-Rad (U.S.), Thermo Fisher Scientific (U.S.), Water Corporation (U.S.), Sigma-Aldrich (U.S.), Agilent Technologies Inc. (U.S.), Betcon Dickinson (U.S.), Beckman Coulter (U.S.), Roche (Switzerland), and Abbott (U.S.).

Scope of the Report

This life sciences and analytical reagents market report will enable strategic understanding of the following key segments of the market:

Global life science and analytical reagents market, by technology

Life science PCR Master mixes Kits Individual reagent Cell culture Sera Media and regents IVD Microbiology culture Hematology Immunoassay Clinical chemistry Molecular diagnostics Expression and transfection



Analytical

Chromatography

By reagents type

Solvent

Chemical

Adsorbents

By types of chromatography

Liquid Chromatography

Gas Chromatography

Ion Chromatography

Super critical Fluid Chromatography

Mass Spectrometry

Proteomics

Drug Discovery

Clinical Testing

Genomics

Others

Electrophoresis

Gel

Dye

Buffer

Flow Cytometry

Cell-based flow cytometry

Bead-based flow cytometry

Global life science and analytical reagents market, by applications

Protein synthesis and purification

Gene expression

DNA and RNA analysis

Drug testing

Life science and analytical reagents market, by geography

North America

Europe

Asia

ROW

Each section of the report offers market data for the various market segments and geographies. It also provides market trends with respect to drivers, restraints, and opportunities. The report's 'Strategy' section sketches the competitive landscape, featuring about 26 company profiles.



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