DUBLIN, Ireland, October 18, 2013 /PRNewswire/ --

**Research and Markets** ( http://www.researchandmarkets.com/research/747fnh/molecular ) has announced the addition of the "Molecular Diagnostics Market - (PCR, DNA Sequencing, Microarray, Transcription Mediated Amplification, Hybridization Technologies), (Infectious Diseases, Cancer/Oncology, Genetics, Blood Screening, Microbiology Applications) - Global Forecast to 2017" report to their offering. (Logo: http://photos.prnewswire.com/prnh/20130307/600769 )

Molecular diagnostics (MDx) is a new class of diagnostic tests that identify nucleic acids or proteins to test the status of a disease. These nucleic acids or proteins, which belong to individual patients or foreign organisms, help determine a specific therapy, or risk of developing a specific disease, or other health conditions. MDx is the fastest growing segment within the in-vitro diagnostic (IVD) space, driven by accuracy, high sensitivity, fast turnaround time, easy workflow, and cost-effective testing. Owing to these factors, the molecular diagnostics market crossed $4.8 billion in 2011, and is poised to grow at a CAGR of 9.1% in the next five years.

MDx involves instruments and reagents that leverage multiple technologies to identify genetic variations. The technologies utilized in molecular diagnostics include polymerase chain reaction (PCR), transcription mediated amplification (TMA), hybridization (In-situ Hybridization & fluorescence in situ hybridization (FISH)), DNA Sequencing, next generation sequencing (NGS), microarrays, and others.

Molecular diagnostics has applications in infectious disease molecular testing, oncology, blood screening, genetic testing, DNA fingerprinting (e.g., paternity testing, forensic testing), microbiology, tissue typing, and food pathogen detection testing. The booming MDx areas are molecular tests for women's health, oncology, and organ transplant testing.

North America dominated the molecular diagnostics market in 2011; the U.S. is the prime market for molecular diagnostics companies due to the availability of government funds, rising incidence of chronic diseases related to the aging population, and high awareness of pharmacogenomics/personalized medicine. In addition, major local companies have easy access to this market, which makes the U.S. the largest and most significant market for suppliers. Europe is still suffering from the economic downturn and the Eurozone crisis and it is predicted that customers will delay purchases of capital equipments; this is expected to hamper the growth of this market, albeit for a short term. The Asian market, however, shows greater opportunities with the highest CAGR due to increased purchasing power, an emerging mindset toward wellness, preventive medicine, and increased access to cutting-edge products and services.

**Key Topics Covered:**

1 Introduction

2 Executive Summary

3 Market Overview

4 Global Molecular Diagnostics Market, By Application

5 Global Molecular Diagnostics Market, By Technology

6 Global Molecular Diagnostics Market, By Product Type

7 Geographic Analysis

8 Competitive Landscape

9 Company Profiles

**Companies Mentioned**

- Abbott Diagnostics- Beckman Coulter, Inc.- Becton, Dickinson & Company- Biocartis- Biomerieux- Cepheid- Eurogentec Sa- Genmark Diagnostics- Genomic Health, Inc.- Gen-Probe, Inc. (Hologic, Inc.)- Innogenetics Nv- Intelligentmdx- Life Technologies Corporation- Luminex Corporation- Myriad Genetics, Inc.- Novartis Ag- Qiagen- Roche Diagnostics- Seegene- Siemens Healthcare

For more information visit http://www.researchandmarkets.com/research/747fnh/molecular

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