

# Global (North America, Europe and Asia-Pacific, South America, Middle East and Africa) Competent Cells Market 2017 Forecast to 2022

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## Abstracts

This report studies the Competent Cells market. Competent cells are bacteria which can accept extra-chromosomal DNA or plasmids. Cells can be made competent in several ways. One such way is to 'shock' it, which involves cooling the bacteria in a Calcium Chloride bath at 0 degrees Celsius, then quickly heating it to around 47 degrees Celsius for approximately 90 seconds (too long will denature the cell membrane, killing the bacteria). The calcium chloride ions neutralize the repulsion between the negatively charged phospholipid heads of the cell membrane and the negatively charged phosphate groups on the DNA. The quick heat shock creates a thermal gradient which, in turn, creates a draft leading into the cell, allowing extra-chromosomal DNA (such as plasmids) to enter the cell, allowing the bacterium to be genetically modified.

Scope of the Report:

This report focuses on the Competent Cells in Global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Market Segment by Manufacturers, this report covers

Merck KGaA

Thermo Fisher Scientific

Agilent Technologies

Takara Bio

Promega Corporation

Beijing TransGen Biotech

GeneScript Corporation

Yeastern Biotech

New England Biolabs

QIAGEN N.V.

OriGene Technologies

Lucigen

Zymo Research

Bio-Rad Laboratories

Bioline

Delphi Genetics

IBA GmbH

Cell Applications

BioDynamics Laboratory

Scarab Genomics

GCC Biotech

SMOBIO Technology

Edge BioSystems

Market Segment by Regions, regional analysis covers

North America (USA, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Columbia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Chemically Competent Cells

Electrocompetent Cells

Market Segment by Applications, can be divided into

Subcloning & Routine Cloning

Phage Display Library Construction

Toxic/Unstable DNA Cloning

High-Throughput Cloning

Protein Expression

Mutagenesis

Single-Stranded DNA Production

Bacmid creation

## Cre-lox recombination (PIR1/PIR2)

There are 15 Chapters to deeply display the global Competent Cells market.

Chapter 1, to describe Competent Cells Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Competent Cells, with sales, revenue, and price of Competent Cells, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Competent Cells, for each region, from 2012 to 2017;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2012 to 2017;

Chapter 12, Competent Cells market forecast, by regions, type and application, with sales and revenue, from 2017 to 2022;

Chapter 13, 14 and 15, to describe Competent Cells sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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