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Method of Distribution

Areas of Distribution

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India

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Case Study - Azaya Therapeutics' Product Pipeline For Protein Stabilized Liposome (PsI™)

Nanotechnology

Business Summary

Technology Core Competency

Commercialisation Strategy

Nanoparticle Drug Delivery System By Delivery Method/Routes Of Administration

Delivery Method

Oral Administration

Case Study -- Access Pharmaceuticals' Cobalamin™ - Mediated Disease Targeting

Case Study - Nanotherapeutics' Nanoparticle Oral Applications

Case Study - Solubest's Solumer™ Technology Platform

Transdermal Delivery

Case Study -- Biophan Technologies' Transdermal Patches By Using Halloysite Nanotubes Technology

Case Study -- The Interstitial Nanosystems' Transdermal Nanoparticle Delivery

Injectable Delivery

Case Study -- Biophan Technologies' Nanomagnetic Guided Drug Delivery.842

Case Study -- Nanobiotix's Nanobiodrugstm

Topical Delivery

Case Study -- Starpharma's Vivagel™

Case Study - Nanotherapeutics' Nanodry™; Nanocoat™ And Nanoquad™

Drug Delivery Systems

Inhaled/Nasal/Pulmonary Delivery

Case Study -- Interstitial Nanosystem's Pulmonary Nanoparticle Delivery

Implantable Delivery

Case Study -- Biophan Technologies' Nanomagnetic Drug Delivery:

Drug-Eluting Implanted Devices

Case Study -- Nanobiomagnetism's Organ-Assisting-Device (OAD)

Technologies

## **NANOPARTICLE DRUG DELIVERY SYSTEM BY THERAPEUTICS THERAPY**

Cancer Therapy

Study Purpose And Background

The Need For A New Approach To Cancer

About Drug Delivery System (DDS)

Features Of DDS Technologies:

1. Solubilization: make a substance be more soluble in water
2. Sustained release: make a substance be released gradually
3. Targeting: make a substance reach the target site in a concentrated manner

Applications of Nanoparticles-enabled DDS

Killing cancer with gold nanobullets and nanobombs

Self-heating nanoparticles as tumor-destroying hyperthermia agents

Case Study -- Nanocarrier's Micellar Nanoparticles And Key Delivery Systems

Case Study -- Abraxis Bioscience's Nanoparticle Albumin Bound (Nabtm) Technology Platform

Case Study -- Abraxis Bioscience's Abraxane®

Case Study -- Access Pharmaceuticals, Inc. Nanoparticle Aggregate Drug Delivery Technology

Case Study -- Access Pharmaceuticals' Prolindac™

Case Study -- Advance Nanotechnologies' Nanoparticle Composites Drug Delivery System

Case Study -- Bioalliance Pharma's Nanoparticle-Based Transdrug® Drug Delivery Platform

Case Study -- Cornerstone Pharmaceuticals' Emulsiphan™ Nanoparticle Tumor Targeting Technology

Case Study -- Inert Therapeutics' Nanoparticle Mediated Drug Delivery System

Case Study -- Keystone Nano's Molecular Dots (MDS) Drug Delivery Technology

Case Study -- Magforce Nanotechnologies' Magforce® Nanoparticles

Case Study -- Tempo Pharmaceuticals' Nanocell™ Technology

Case Study -- Aphios Corporation's Taxosomestm Vaccines

Case Study -- Biosante Pharmaceuticals' Calcium Phosphate Nanoparticles (Cap)-Based Technology Vaccine Adjuvants Protein Delivery (Insulin) Milk Protein Isolation

Case Study -- Nanomed's Nanotemplate Engineering Technology

Case Study -- Novavax's Micellar Nano Particles (Mnps), Novasome® Paucilamellar Vesicles And Virus-Like Particle (Vlp) Technology Antibody

Case Study -- Ablynx's Nanobody® Platform

Case Study - Nanoviricides' Targeted Anti-Viral Therapeutics Platform Dna Based Therapy

Case Study -- Introgen Therapeutics' Nanoparticle Drug Delivery Technology Platform

Case Study -- Asklepîos Biopharmaceutical Inc.'S Biological Nano Particles (Bnp™) Platform

Case Study -- Copernicus Therapeutics' Dna Nanoparticles

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Case Study -- Flamel Technologies' Medusa® Delivery Platform

Case Study -- Novosom Ag's Smarticles® And Cagicles® Technology

Case Study -- Transgenex Nanobiotech's Sipler™ Technology

## **NANOPARTICLE DRUG DELIVERY SYSTEM BY TECHNOLOGY**

Nanoparticulate Encapsulation

Case Study -- Aquanova's Nanoparticulate Encapsulation Technology

Case Study -- Bio Delivery Sciences International's Bioral® Encochleation Drug Delivery Technology

Case Study -- Capsulation's Lbl-Technology®-Based Drug Delivery Systems.914

Case Study -- Ceramisphere's Encapsulation Technology

Case Study - Genesegues' Targeted Nanocapsule Technology

Case Study - Iceutica's Encapsulated Organic Nanoparticles (Eon™) Platform.919

Case Study - Nutralease's Nanoencapsulation Technology

The Dendrimer-Based Targeted Therapeutics Technology

Case Study -- Avidimer Therapeutics' Avidimers

Case Study -- Dendritic Nanotechnologies Inc. (Dnt)'S Priostar™

Dendrimer Nanotechnology

Liposomes Nanotechnology

Case Study -- Azaya Therapeutics' Protein Stabilized Liposome (PSL)

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Case Study -- Liplasome Pharma's Liposome-Based Drug Delivery Platform.932

Nanotube Technologies

Case Study -- Biophan Technologies' Halloysite Nanotube Technologies

Case Study -- Nanocyte's Nanotube Technology-Based Drug Delivery System.934

Nanoshell Technology

Case Study -- Nanospectra Biosciences' Aurolase™ Cancer Therapy

Nanoparticles Coating Technology

Case Study -- Cytimmune's Colloidal Gold Nanoparticle-Based Delivery Platform

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Case Study -- ISTN's Silica-Chitosan Nanocomposites For Peptic Ulcer Treatment 939

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Case Study -- Elan's Nanocrystal® Technology

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Coatings

Fuel

Electronics and electromechanical systems

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Medical Diagnostics

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Companies focused on applying nanotechnology to medical diagnostics

Medical Devices & Therapeutics

Summary

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Companies focused on applying nanotechnology to medical devices and therapeutics