BRAWN

Laboratories Limited

WHO GMP & ISO 9001: 2008 certified company

Innovating for better life...

RESEARCH & DEVELOPMENT

From Concept to Commercialization

Contract-Research

Custom Synthesis

API Development

Formulation Development

New Drug Delivery System

Symbiotic collabrations

www.brawnlabs.com

Innovative Technologies....

Affordable Drugs

INTRODUCTION:

Brawn, an ISO 9001:2000, and WHO cGMP certified company, is manufacturing a wide range of pharmaceutical formulations, covering large number of therapeutic segments for over more than 30 years. The company has now planned to expand its R&D capabilities by setting up a state-of-the art new R&D Centre at Gurgaon under a vertically backward integrated expansion plan. The basic aim of this R&D unit is to develop "**Innovative Technologies**" and create value by continuous R&D and Innovation

With a mission to develop "**Innovative Technologies**" and provide "**Affordable Drugs**" to the public, the company aims not only to develop and manufacture generic & NDDS formulations like Solid Orals, Injectables, Lyophilised Injectables, Topical, Effervescent Tablets but also working on API's in Anticancer, Immunosuppressant and Antibiotics drug categories.

R&D at Brawn is led by highly experienced and seasoned scientists who have been recognised as pioneers in the indusrtry for more than 30 years.

- **Dr Rajesh Kumar Thaper -** Pharmaceutical Industry expert with over 25 Years of Experience in Process Development, Execution and Innovation. Dr Thaper is a PhD in Organic Chemistry from Zelinsky Inst of Organic Chemistry, Moscow and has 125 patents to his credit.

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- **Dr S M Gupta** has about 30 years of experience in Pharmaceutical Industry. Has extensive experience of lab development, scale up and manufacturing of API's. Dr Gupta is a PhD & a gold medallist in Organic Chemistry from Delhi University

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Making chemistry work for you

Our R&D Capabilities:

API Development

Brawn has a separate R&D centre dedicated to chemical development and is involved in the following activities:

- "High Value Generics" , offering developmental challenges
- Molecules with High Entry Barriers: Complexity, Chiral Molecules
- Focus on Polymorphism- Novel Polymorphs
- Identification, characterization & synthesis of Impurities
- Developing fermentation based API
- Developing Non Infringing Technologies, *Highest Quality Products*
- New Technology Initiatives: *Biocatalysis, Microreactors*
- Developing Analytical method development for API and intermediates
- Developing safe, environmental friendly & cost effective processes
- Developing processes through QbD approach

Molecules under Development:

Anticancer API's

- **Erlotinib Hydrochloride**
- **Imatinib Mesylate**
- **Sorafenib Tosylate**
- **Sunitinib Malate**
- **Dasatinib**
- **Gefitinib**
- **Lenalodomide**

Immunosuppressant API's:

- **Temsirolimus**
- **Evrolimus**
- **Pimecrolimus**
- **Epirubicin**
- **Andulafungin**

Other Molecules

- **Rifaximin**
- **Pinaverium bromide**
- **Imipramine hydrochloride**
- **Zoledronic acid**
- **Olanzapine**
- **Quetiapine**
- **Risedronate**

Formulation Development

Pharmaceutics is equipped with state of the art facilities to carry out formulation development of various conventional dosage forms and Novel Drug Delivery systems for known and new molecular entities including:

- Coated & Uncoated Tablets
- Dispersible Tablets
- Chewable Tablets
- Hard & Soft Gelatin Capsules
- Small and Large Volume Parente rals
- Liquid Orals
- Ointments / Creams
- Dry Mixtures.

Development of Novel Dosage Forms is possible using following technologies:

- Matrix and Diffusion
- Controlled Drug Release
- Osmotic Delivery
- Multilayered Tablets
- Lyophilisation

Bother us with your Complex R&D Problems

Analytical Research

Ultra modern facilities and instruments boost the confidence of handling Research & Development conforming to GLP/GMP norms. Following Analytical Services fully support API Research and Formulation development process with a team of experienced analysts:

- Characterisation of API, Excipients and Drug Product
- Impurity Profiling
- Dissolution Profiling
- Residual Solvents analysis in API and Drug Products
- Microbiological Analysis
- Stability Services
- Stability Indicating Method Development and Method Validation
- Stability Protocol Preparation, Analysis & Monitoring
- Assigning Shelf-life
- HPLC, GC, DSC, FT IR, UV, PSD, etc.

Our Values:

- Foster Mutually Beneficial and Long term ***Strategic Partnerships*** **for Value creation**.
- Work on the ethos of ***Trust, Reliability and Timely Delivery***
- Manage our Technical Operations with high concern for ***Environment, Health and Safety***
- Respect for three i's: ***Individual, Innovation and Integrity***

Business Opportunities:

Contract Research & Contract Manufacturing

We undertake formulation development of Pharmaceuticals ranging from immediate release formulations for oral administration to alternative dosage designs and controlled release formulations

We are committed to providing strategic and cost effective solutions for Research and Development of Intermediates, Chemicals, Natural Products, NCE's and Active Pharmaceutical Ingredients (API)

from '**Concept to Commercialization'** along with complete Analytical, Regulatory and IP support for filing.

- Partner with us to bring **"Speed" and "Cost-Effectiveness"** to the launch of your most aspirational products.
- Co-development of API & formulation for **P-IV opportunities**
- Provide support for **first-to-file products**
- Provide solutions for complex products and technologies
- Partner for Differentiated Products
- Unlock Value in "Chemical Technologies"

Contact for product related queries:

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