

FAST TRACK SERVICE

SPRAY DRYING

LABORATORY TRIAL & LITERATURE REVIEW



KerryFergusonConsulting

FAST TRACK FIXED PRICE SERVICES

Kerry Ferguson Consulting unique fixed price fast track services provide a cost effective way to optimise your nutraceutical product development journey.

FAST TRACK FIXED PRICE SERVICES

FAST TRACK: PRELIMINARY NEW PRODUCT EVALUATION, TECHNICAL LITERATURE & PRODUCTION REVIEW & MARKET ASSESSMENT AND COMPETITOR SCAN SERVICE

FAST TRACK: BOTANICAL PROPRIETARY GREEN EXTRACTION LABORATORY TRIAL AND TECHNICAL LITERATURE REVIEW

FAST TRACK: SPRAY DRYING LABORATORY TRIAL AND TECHNICAL LITERATURE REVIEW



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ADVANTAGES OF OUR FAST TRACK FIXED PRICE SERVICES

Offer numerous advantages in new product development in nutraceutical, pharmaceutical, functional food and beverage and beauty industries where research and development play a crucial role. The key advantages of our fixed price service offering

Budget Certainty

Our fixed pricing allow you to allocate the budget and resources to a known decision point at the conclusion of the service.

Transparent Scope & Deliverables

Our fixed-price model defines clear objectives, methodologies, and outcomes from the outset, reducing the risk of scope creep. Our clients can expect precise deliverables without additional costs.

Time Efficiency & Faster Decision-Making

We offer a predetermined cost and timeline allowing the research processes to become more streamlined and leading to accelerated product development cycles.

Reduced Financial Risk

Unlike hourly or variable-cost models, our fixed price fast track fixed price services protects clients from escalating expenses due to unforeseen complexities or delays, ensuring financial predictability.

Increased Accountability & Quality Assurance

Our team is committed to delivering results within the agreed budget and timeline, fostering higher accountability and ensuring high-quality reports and trials.

Improved Strategic Planning

Our fast track fixed price service allow our customers to align their research and development objectives with clear cost structures, facilitating informed decision-making.

Kerry Ferguson Consulting **FAST TRACK SERVICES** provide cost control, efficiency, and reliability, making them a preferred choice for evidence-based product development.

SPRAY DRYING



LABORATORY TRIAL & TECHNICAL LITERATURE REVIEW

Unlocking the Potential of Spray Drying for Your Business

Spray drying is a crucial process in transforming liquid solutions, emulsions, and suspensions into stable, free-flowing powders.

Whether you're in the **NUTRACEUTICAL, PHARMACEUTICAL, FUNCTIONAL FOOD AND BEVERAGE OR COSMETIC INDUSTRY** our **FAST TRACK SPRAY DRYING LABORATORY TRIAL AND LITERATURE REVIEW SERVICE** helps you determine if spray drying is the best option for your product, optimise formulations, enhance product stability, and ultimately scale up production effectively.

WHY CHOSE FAST TRACK SPRAY DRYING LABORATORY TRIAL AND LITERATURE REVIEW SERVICE

Expertise in Spray Drying

Our team comprises experienced scientists, formulation chemists, and engineers specializing in spray drying technology.

State-of-the-Art Laboratory

We utilise advanced spray drying equipment and analytical tools to ensure precise and repeatable results.

Comprehensive Literature Review

We provide scientific and technical insights to support your product development process.

Tailored Solutions

Each project is customised to meet your unique formulation and process requirements.

Scalability & Cost Efficiency

Our trials ensure smooth transition from laboratory to pilot production to commercial production.

SPRAY DRYING LABORATORY TRIAL

Our laboratory trial provide a controlled environment to test and optimize formulations before scaling up to pilot production

FAST TRACK SERVICE INCLUSIONS

Formulation Development & Optimisation

Identifying suitable carrier agents (maltodextrin, gum arabic, starches, proteins, lipids, etc.)

Adjusting feedstock parameters to enhance solubility, stability, and flow properties

Process Parameter Optimization

Determining the ideal inlet/outlet temperatures, feed rate, and atomisation conditions

ADDITIONAL SERVICES AVAILABLE (Costed seperately)

Evaluation, Product Testing and Analysis

Testing moisture content, particle size distribution, and bulk density

Encapsulation & Stability Testing

Active Compound Testing HPLC, GC

Nutritional Panel Information

Assessment of powder shelf-life, hygroscopicity, and oxidation resistance

Pilot Scale Trials and Feasibility Studies

Evaluating batch-to-batch consistency before moving to large-scale production

Cost-benefit analysis for commercialisation

Preparation of samples for analysis and market evaluation and testing



TECHNICAL LITERATURE REVIEW

Our technical literature review includes

Overview of spray drying advancements and emerging carrier technologies
Support research and development
Identification of formulation gaps and optimisation opportunities
Analysis of published research and recommendations

Key Deliverables

Preliminary samples if trials are successful
Detailed report including trial results, literature review and next steps and recommendations.

Additional Services (costed separatley)

Assessment market trends and innovations
Competitor analysis
Intellectual property review
Review of regulatory requirements
Identification of formulation gaps and optimisation opportunities
White paper for stakeholders, investors and potential customers

INDUSTRIES WE SERVE

Nutraceuticals

Microencapsulation of vitamins, minerals, polyphenols, and botanical extracts.

Pharmaceuticals

Spray drying for drug delivery systems and excipient development.

Food & Beverages

Flavour encapsulation, protein powders, and instantized ingredients.

Cosmetics & Personal Care

Encapsulation of active ingredients for skincare, hair-care, and fragrance applications.



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OUR METHODOLOGY

Step 1: Consultation & Project Planning

Understanding your formulation challenges and goals.
Identifying key parameters and objectives for the trial and literature review.

Step 2: Stage 1 Technical Literature Review

Compilation and analysis of in-depth technical literature review
Determination of laboratory trial protocols and parameters.

Step 3: Laboratory Trials & Data Collection

Conducting spray drying experiments with optimized conditions.
Analysing physical and functional properties of the resulting powders.

Step 4: Literature Review & Technical Reporting

Conducting an in-depth review of relevant research and industry insights.
Compiling a detailed report with key findings and recommendations.

Step 5: Recommendations

Providing insights for next steps, pilot production and an evaluation of commercial viability.

Key Deliverables

Preliminary samples (where applicable)
Detailed report including trial results, literature review and recommendations.



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Why Invest in Our Fast Track Services?

**Reduce R&D Costs
Accelerate Time-to-Market
Ensure Product Quality & Stability
Leverage Scientific Expertise**

Talk to Us

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Transform Your Ideas into Products



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