

FAST TRACK SERVICE

GREEN BOTANICAL EXTRACTION

LABORATORY TRIAL & LITERATURE REVIEW



FAST TRACK FIXED PRICE SERVICES

Botanical Innovations Advisory 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: GREEN BOTANICAL EXTRACTION LABORATORY TRIAL AND TECHNICAL LITERATURE REVIEW

FAST TRACK: SPRAY DRYING LABORATORY TRIAL AND TECHNICAL LITERATURE REVIEW



Botanical Innovations Advisory

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.

GREEN BOTANICAL EXTRACTION

LABORATORY TRIAL & TECHNICAL LITERATURE REVIEW

Unlocking the Power of Green Extraction Technologies

Botanical extraction is a vital process for isolating bioactive compounds used in nutraceuticals, pharmaceuticals, food, and cosmetics.

Our Botanical Extraction Laboratory Trial & Literature Review Service specialises in sustainable technologies utilising proprietary green ethanol and vegetable oil extraction to ensure environmentally friendly and high-quality extracts.

Why Choose Our Services?

Expertise in Botanical Extraction

Our team consists of experienced scientists, formulation chemists, and extraction specialists dedicated to green extraction technologies.

State-of-the-Art Laboratory

We have developed proprietary advanced extraction systems to optimize yield, purity, and bioavailability of active compounds.

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 product and process requirements.

Scalability & Cost Efficiency

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

GREEN BOTANICAL EXTRACTION LABORATORY TRIAL

Our laboratory trials provide a controlled environment to test and optimise extraction techniques for pilot and commercial production.

Our service includes an assessment and evaluation

Green Solvent Evaluation and Optimisation

Optimization of ethanol extraction for polyphenols, flavonoids, and alkaloids and oils

Vegetable oil extraction for lipid-soluble bioactives and essential oils

Process Parameter Optimisation

Temperature, pressure, and solvent ratio adjustments for maximum efficiency

Filtration, purification, and concentration strategies

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

Microencapsulation of extracts for enhanced stability and bioavailability

Assessment of degradation kinetics, shelf-life, and sensory attributes

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 botanical extraction advancements and emerging 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

Our services cater to a variety of industries:

Nutraceuticals

Extraction of polyphenols, flavonoids, and herbal actives for supplements and health products.

Pharmaceuticals

Extraction of plant-derived alkaloids, glycosides, and essential actives for therapeutic applications.

Food & Beverages

Development of natural flavors, colorants, and bioactive compounds.

Cosmetics & Personal Care

Extraction of essential oils and bioactive ingredients for skincare, haircare, 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 Green Botanical Extraction experiments with optimised conditions.
Analysing physical and functional properties of the resulting extracts.

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.



Botanical Innovations Advisory



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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