

Fluticasone Furoate: Accelerating Progress for Asthma & Allergy Treatments

Proven Capability. Trusted Execution.



45+ Inhalation Studies

Including 18+ Fluticasone-based products



Successful Regulatory Filings

USFDA & EU



In-House Capabilities

Purpose Built Infrastructure & Bio-analytical labs, Training, Dosing Monitoring



1000+ Volunteers

Inhalation Specific Volunteers Enrolled for Fluticasone-based products

Fluticasone Furoate Clinical Recruitment Challenges

- Spirometry test can be challenging for many volunteers
- Achieving consistent inhalation in 3 consecutive attempts.
- Assessing inhalation technique using devices requires thorough training.
- Operational complexity due to intensive subject training, dose priming, and tight sample collection windows demands additional manpower
- High failure rates in spirometry and inhalation technique assessments adds further complexity to the study.

Negative Pressure Dosing Facility for Fluticasone Furoate Studies

Unidirectional airflow:
Change rooms → Dosing rooms

25 ACPH for consistent environmental control

Controlled Pressure Zones:

Change Rooms
@ 25 Pa

Dosing Rooms
@ 10 Pa

Dosing Intervals:
5-minute spacing to eliminate cross-contamination risk

Volunteer Training for Inhalation Precision

Inhalation Method Technique:

- Educating on actuation coordination
- Demonstrating proper inhalation technique
- Coaching on AIM device use
- Guiding with In-check DIAL meter
- Training with 2-tone device



Results Monitoring of:

- Avoiding drug leakage
- Ensuring uniform inhalation rate
- Achieving precise interpretation of inhalation volumes, turbulent flow, and acceleration rates

Bioanalytical Established Method for Clinical Use



Calibration Range

0.5 pg/mL to 125 pg/mL



Sample Volume Required

Only 0.3 mL per injection



Quantification Platform

SCIEX 6500+

Analytical Challenges in Fluticasone Furoate Method Development

- Quantifying as low as 0.5 pg/mL requires exceptional sensitivity and noise suppression.
- Lipophilicity, matrix effects, and adsorption risks call for tailored sample prep.
- Ultra-clean labware, high-purity solvents, and meticulous decontamination are critical to avoid trace contamination
- Fine-tuned columns and solvents vital for achieving sharp peaks and consistent performance at sub-picogram levels
- Strict zoning and validated cleaning protocols required to ensure sample integrity.

Validated and Trusted - Delivering > 95% ISR Consistency Across Clinical Studies

Bioanalytical Expertise for Fluticasone Furoate and Beyond

➤ **Low-Level Extraction Mastery:**

Specialized protocols to manage ultra-low concentrations with precision and confidence.

➤ **Contamination Control:**

Custom-designed lab spaces and procedures to prevent any form of cross-contamination.

➤ **Instrumental Excellence:**

Operation of high-end LC-MS/MS systems by a skilled team, with high-grade solvents and meticulous system maintenance.

➤ **Reproducibility Focused:**

Stringent instrument cleaning, optimized column selection, and quality control at every step.

➤ **End-to-End Support:**

Full capability in managing respiratory molecules from method development to regulatory-compliant reporting.

Why Choose Veeda Lifesciences?

91,000+ Healthy Volunteers

One of India's largest, ready-to-enrol databases

Scientist-Led Excellence

Studies led by PhDs, MDs, and MBBS-qualified experts

Rapid Method Development

Complex molecule methods developed in < 3 weeks

USFDA, EU & ANVISA Inspected Facilities

In-house Clinical & Bioanalytical labs with global regulatory approvals

Tech-Driven Speed

Real-time data capture and monitoring for faster, error-free execution

240+ Skilled Scientists

Trained team delivering quality bioanalysis under regulated environments



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In Everything