

Logan Instruments' Release of Innovative Products

April 2023, Logan Instruments proudly launched the **Transdermal Diffusion Flow-Through Cell System**, which is available in 6, 8, 12, 16, and 24-cells configurations, offering scalability and flexibility to accommodate diverse research needs.

Key features that set the Logan Transdermal Diffusion Flow-Through Cell System apart:

- Integrated syringe pump ensures precise flow rates, surpassing traditional peristaltic pumps, and provides outstanding resistance to chemicals
- Dry heating system eliminates the need for water replacements, making the heating process more efficient and sustainable
- Innovative preheating design guarantees precise temperature control
- Adjustable flow rates range from 0.1–4 mL/min, with an accuracy of less than 1% error, enabling accurate and repeatable data collection
- Wide range of sample collection methods, suitable for studying drugs with diverse physical properties and formulation types
- Compliant with the latest USP <1724>, FDA 21 CFR Part 11, and cGMP/GLP regulations



Another new product that Logan launched in 2023: **AIR-1300**.

AIR-1300 is a fully automated shake and fire benchtop system that can test MDI, nasal spray, and nasal aerosol products with extreme precision and repeatability. Air-1300 provides total control over the testing techniques and guarantees accurate, controlled, and repeatable testing by eliminating manual inconsistencies.

- Continuous testing of up to 13 doses with high efficiency
- Built-in analytical balance enables automatic dose weighing
- Support for a wide variety of inhaler and nasal dosing test samples
- Compliant with USP <601>
- Temperature and relative humidity measurement functions
- User-friendly touchscreen display for user control



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