



LIT: Global Leader in Anti-Counterfeiting & Traceability Solutions

Fighting illicit trade, securing official documents, and protecting trusted brands

LIT Serial-Safe Track and Trace Solution



Overview

Pharmaceutical industry faces increasing challenges from **counterfeit medicines, diverted batches, and manipulated serial numbers**. These risks threaten public health, regulatory compliance, and brand reputation.

LIT Serial-Safe Track and Trace Solution delivers complete **serialization, authentication, and traceability** for medical products ensuring that every unit is **genuine, trackable, and verifiable** at every step.

Key Features

Unique Serial Number Integration

Secure, item-level serialization to ensure each unit is traceable from manufacturing to end-user delivery.

Latent Image Authentication

Proprietary covert markers embedded on packaging or labels, viewable only with a simple polarizer impossible to fake.

Tamper-Evident Security Elements

Clearly reveals any attempt to open, reuse, or alter packaging, preserving product integrity.

Field-Level Verification

Pharmacists, inspectors, and regulators can authenticate products instantly even off-line.

Platform-Ready for Digital Traceability

Easily integrates with national drug verification systems, ERP platforms, or blockchain-based supply chain infrastructures.

Use Cases

- Prescription and over-the-counter medications
- Medical devices and diagnostic kits
- Vaccines and temperature-sensitive biologics
- Controlled substance packaging
- Government-approved pharma distribution programs



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Optional Consumer Validation Tools

Empower customers to verify product authenticity via mobile interaction or QR validation, enhancing brand trust.

Regulatory Platform Integration

Seamless API compatibility with local or national cannabis compliance systems for end-to-end reporting and oversight.

Applications

- Pre-rolls, flower packaging, and vape cartridges
- Edibles, tinctures, and topicals
- Pharmaceutical-grade medical cannabis products
- Licensed cultivation and processing facilities
- State and federal regulatory authorities

Benefits

- Blocks counterfeit and black-market products
- Ensures compliance with labeling and tracking laws
- Enhances transparency from cultivation to consumption
- Builds brand confidence and regulatory trust
- Enables rapid deployment and scalable growth

Implementation and Support

LIT delivers a full-service package that includes:

- Custom security label design and production
- Authentication hardware for inspectors and retailers
- Integration with inventory and compliance systems
- Staff training and multi-site rollout support

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