

Product quality control and testing coordination

Automates product quality control testing coordination from harvest to retail, ensuring compliance and product safety through integrated lab testing workflows. Streamlines sample submission, result tracking, and inventory release decisions.

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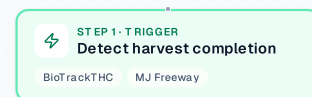


WORKFLOW TRIGGER

New harvest batch reaches flowering completion and is ready for quality testing

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.



STEP 2 · ACTION
Generate testing samples automatically
BioTrackTHC Leaf Data Systems

STEP 3 · ACTION
Schedule lab testing appointment
MJ Freeway Flowhub

STEP 4 · ACTION
Track testing status updates
BioTrackTHC Leaf Data Systems

STEP 5 · DECISION
Evaluate test results compliance
MJ Freeway BioTrackTHC

STEP 6 · ACTION
Update inventory and compliance
Flowhub Leaf Data Systems

STEP 7 · OUTPUT
Release products for distribution
Treez Dutchie



Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Detect harvest completion

System detects when a cultivation batch reaches harvest maturity and triggers quality control testing protocol. Automatically pulls batch data including strain, weight, and cultivation details.

2

 ACTION

Generate testing samples automatically

Creates representative samples from the harvest batch following state compliance requirements. Updates inventory system to reflect sample quantities removed for testing.

BioTrackT HC

Leaf Data Systems

3

 ACTION

Schedule lab testing appointment

Automatically books testing slots with certified cannabis laboratories and generates chain-of-custody documentation. Sends sample pickup notifications to lab partners.

MJ Freeway

Flowhub

4

 ACTION

Track testing status updates

Monitors lab testing progress and automatically imports results for potency, pesticides, and contaminants. Updates batch records with comprehensive testing data.

BioTrackT HC

Leaf Data Systems

5

 DECISION

Evaluate test results compliance

Automatically compares lab results against state regulatory thresholds for safety and potency. Routes batches to approval or quarantine based on compliance status.

MJ Freeway

BioTrackT HC

6

 ACTION

Update inventory and compliance

Updates product status in inventory management system and generates compliance certificates for passing batches. Flags non-compliant products for destruction or remediation.

Flowhub

Leaf Data Systems

7

 OUTPUT

Release products for distribution

Automatically releases compliant products to available inventory for retail sale and generates final compliance documentation. Notifies dispensary staff of new product availability.

Treez

Dutchie



Outputs

- Compliance-certified product batches ready for sale

- Complete chain-of-custody testing documentation

AI Business OS

Automated inventory updates with lab-verified potency data



Key Metrics

- Testing turnaround time
- Batch compliance pass rate
- Sample tracking accuracy



Tools & Integrations

- BioTrackTHC
- MJ Freeway
- Leaf Data Systems
- Flowhub
- Treez
- Dutchie

AI Business OS

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