FARMER FREEMAN

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Pathogen Diagnostic Report

CCV

CUSTOMER NAME
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COMPANY / ORGANIZATION
Farmer Freeman

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REPORT DATE
October 15, 2026

RUN DATE
October 15, 2026

DATE OF LAB RECEIPT
October 14, 2026

Diagnostic Results

Sample ID	Strain	Nickname	Sample Type	CCV	IC
VT00001	White Widow	WW-A01	Root + Leaf	DETECTED 23.50	N/A 25.40
VT00002	Forbidden Fruit	FF-B02	Root + Leaf	NOT DETECTED	PASS 24.80
VT00003	Pineapple Express	PE-C03	Root + Leaf	NOT DETECTED	PASS 25.20
VT00004	Sour Diesel	SD-D04	Root + Leaf	DETECTED 26.30	N/A 23.90
VT00005	Strawberry Cough	SC-E05	Root + Leaf	NOT DETECTED	PASS 24.60

- DETECTED — Pathogen present; IC not required for detection
- NOT DETECTED — No pathogen signal; IC valid
- UNDER ANALYSIS — IC failed; being retested, ready in 1–2 business days
- Lower Cq values typically correlate with a greater pathogen load in the sample.

Interpretation Summary

Pathogen Detected

One or more samples tested positive for: **CCV**. Immediate action is recommended. Isolate affected plants and equipment. Do not take cuttings from positive plants. Sanitize tools between plants. Contact a cultivation advisor to develop a remediation plan.

About the Pathogens Tested

Cannabis Cryptic Virus (CCV)

Channel: CY5 **Type:** Virus **Threshold:** Cq < 35

Cannabis Cryptic Virus (CCV) is a partitivirus commonly found in cannabis. It is generally considered latent with minimal symptoms in most cultivars, though its interaction with other pathogens may compound disease effects.

Methodology

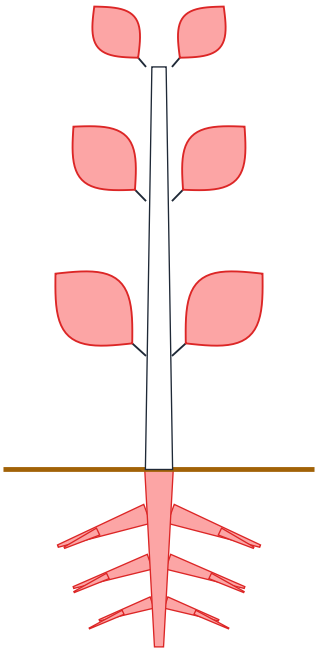
This report utilizes quantitative reverse transcription PCR (RT-qPCR) performed on an Agilent AriaMX Real-Time PCR instrument. Nucleic acids are extracted from plant tissue using a validated extraction protocol. Each reaction includes an internal extraction and amplification control (IC/HEX channel) to confirm assay validity. A Cq threshold of 35 cycles is applied for most targets (40 cycles for Russet Mite): samples with Cq at or below threshold are reported as Detected. Samples with Cq between 35 and 40 cycles are also reported as Detected when the IC Cq is below 35, confirming assay validity. A positive target result is reported as Detected regardless of IC status. Wells with no target signal and a failed IC are reported as Under Analysis and will be retested by the laboratory.

Questions? Contact support@farmerfreeman.com or call 202-697-7640. Submit new samples at www.farmerfreeman.com.

VT00001

White Widow

WW-A01



No pathogen detected
Pathogen detected
Not tested

PANEL
CCV

SAMPLE TYPE
Root + Leaf

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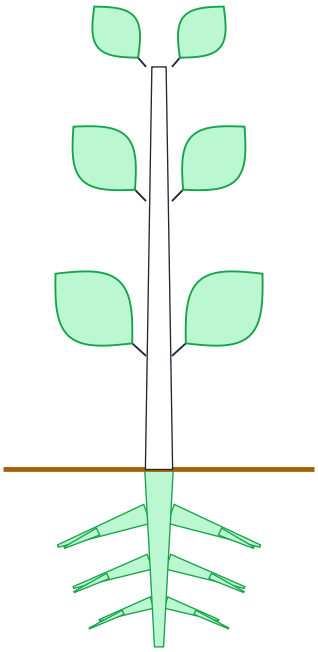
Results

CCV	**DETECTED**	Cq 23.50
Internal Control (IC)	**PASS**	Cq 25.40

VT00002

Forbidden Fruit

FF-B02



No pathogen detected
Pathogen detected
Not tested

PANEL
CCV

SAMPLE TYPE
Root + Leaf

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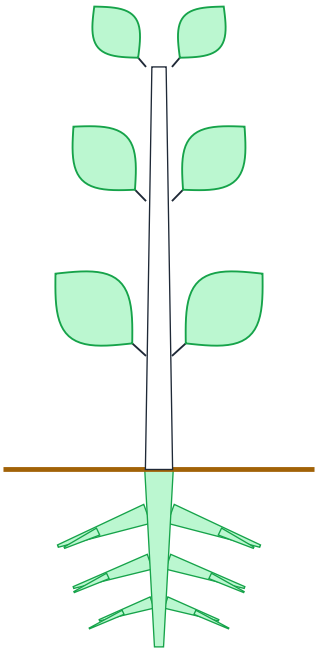
Results

CCV	**NOT DETECTED**	No Cq
Internal Control (IC)	**PASS**	Cq 24.80

VT00003

Pineapple Express

PE-C03



No pathogen detected
Pathogen detected
Not tested

PANEL
CCV

SAMPLE TYPE
Root + Leaf

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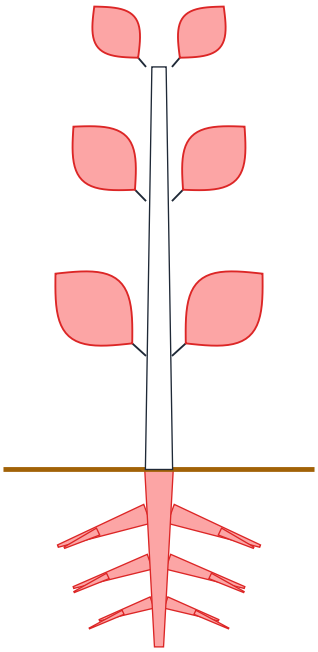
Results

CCV	**NOT DETECTED**	No Cq
Internal Control (IC)	**PASS**	Cq 25.20

VT00004

Sour Diesel

SD-D04



No pathogen detected
Pathogen detected
Not tested

PANEL
CCV

SAMPLE TYPE
Root + Leaf

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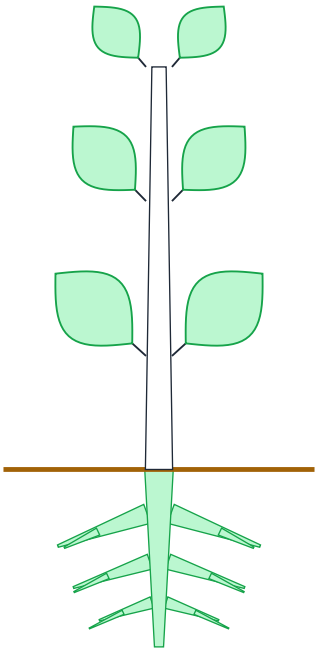
Results

CCV	**DETECTED**	Cq 26.30
Internal Control (IC)	**PASS**	Cq 23.90

VT00005

Strawberry Cough

SC-E05



No pathogen detected
Pathogen detected
Not tested

PANEL
CCV

SAMPLE TYPE
Root + Leaf

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RUN DATE
October 15, 2026

Results

CCV	**NOT DETECTED**	No Cq
Internal Control (IC)	**PASS**	Cq 24.60