



GENIELAB

TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1286

Target pathogen: Hop Latent Viroid

26 May 2023

Order details:

Client: Kaprikorn

Target Pathogen: Hop Latent Viroid

Date Sampled: 05/24/23

Date Received: 05/25/23

Date Reported: 05/26/23

Total samples: 14

NUMBER SAMPLES INFECTED: 0

Results interpretation:

C_T (cycle threshold) - number of PCR cycles to detect the target. Lower indicates more pathogen in sample.

Control - Amplification of cannabis control gene. Less than 35 cycles indicates an acceptable sample quality and robust PCR amplification. Above 35 cycles indicates poor sample quality.

FRESH: <24 - 27 C_T

EXCELLENT: 27 - 30 C_T

GREAT: 30 - 32 C_T

OKAY: 32 - 35 C_T

FAIL: >35 C_T

HLVd - Detection C_T and relative amount of HLVd in the sample:

HIGH: <15 - 20 C_T

MEDIUM: 21 - 28 C_T

LOW: 29 - <35 C_T

INCONCLUSIVE: >35 C_T

| Identifier | Control | HLVd #1 | HLVd #2 | HLVd Status |
|---------------------|---------|---------|---------|-------------|
| .Positive 1 | - | 20.81 | - | + |
| .Positive 2 | - | - | 22.92 | + |
| Southern Sugar 10 A | 23.69 | - | - | - |
| Southern Sugar 13 A | 22.53 | - | - | - |
| Southern Sugar 15 A | 24.07 | - | - | - |
| Southern Sugar 20 A | 23.53 | - | - | - |
| Tokyo Snow 1 A | 22.86 | - | - | - |
| Tokyo Snow 15 A | 24.29 | - | - | - |
| Tokyo Snow 20 A | 23.07 | - | - | - |
| Tokyo Snow 22 A | 22.78 | - | - | - |
| Tokyo Snow 7 A | 26.03 | - | - | - |
| Zlurpee 1 A | 22.24 | - | - | - |
| Zlurpee 10 A | 23.85 | - | - | - |
| Zlurpee 11 A | 26.73 | - | - | - |
| Zlurpee 6 A | 21.67 | - | - | - |

| Identifier | Control | HLVd #1 | HLVd #2 | HLVd Status |
|-------------|---------|---------|---------|-------------|
| Zlurpee 7 A | 22.96 | - | - | - |

Amplification Plots:

RED = Control, GREEN = HLVd target #1, and BLUE = HLVd target #2







