



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1465

Target pathogen: Hop Latent Viroid

22 December 2023



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 12/20/2023
Date Received: 12/21/2023
Date Reported: 12/22/2023
Total samples: 33

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	-	26.91	-	+
.Positive 2	-	-	26.03	+
Permanent Marker 06 A	29.28	-	-	-
Permanent Marker 09 A	29.98	-	-	-
Permanent Marker 12 A	28.61	-	-	-
Permanent Marker 13 A	28.95	-	-	-
Pink Trufflez 06 A	29.42	-	-	-
Pink Trufflez 08 A	26.05	-	-	-
Pink Trufflez 09 A	27.17	-	-	-
Pink Trufflez 12 A	26.12	-	-	-
Pink Trufflez 14 A	24.96	-	-	-
Purple Churro 01 A	24.15	-	-	-
Purple Churro 06 A	27.08	-	-	-
Purple Churro 07 A	27.19	-	-	-
Purple Churro 08 A	29.61	-	-	-
Purple Churro 10 A	27.26	-	-	-
Purple Churro 12 A	26.97	-	-	-
Purple Churro 14 A	27.19	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Purple Churro 20 A	26.12	-	-	-
The Soap 05 A	26.32	-	-	-
The Soap 08 A	27.23	-	-	-
The Soap 09 A	26.06	-	-	-
The Soap 10 A	28.94	-	-	-
The Soap 11 A	23.88	-	-	-
The Soap 12 A	27.37	-	-	-
White Choc Chip #8 01 A	27.26	-	-	-
White Choc Chip #8 05 A	25.69	-	-	-
White Choc Chip #8 08 A	26.4	-	-	-
White Choc Chip #8 12 A	26.48	-	-	-
White Choc Chip #8 14 A	27.69	-	-	-
Zlurpee 01 A	27.06	-	-	-
Zlurpee 04 A	28.31	-	-	-
Zlurpee 05 A	25.97	-	-	-
Zlurpee 09 A	24.37	-	-	-
Zlurpee 11 A	25.53	-	-	-

Amplification Plots:

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









