



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1822

Target pathogen: Hop Latent Viroid

28 June 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 06/26/2024
Date Received: 06/27/2024
Date Reported: 06/28/2024
Total samples: 13

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	-	24.58	-	+
.Positive 2	-	-	25.31	+
Big Buns 01	27.27	-	-	-
Big Buns 02	28.14	-	-	-
Big Buns 03	27.02	-	-	-
Dante's Inferno 02	27.77	-	-	-
Dante's Inferno 05	29.81	-	-	-
Dante's Inferno 09	27.21	-	-	-
Dante's Inferno 10	27.94	-	-	-
Dante's Inferno 12	30.9	-	-	-
Dante's Inferno 13	27.79	-	-	-
Dante's Inferno 16	29.21	-	-	-
Dante's Inferno 18	28.4	-	-	-
Dante's Inferno 19	27.96	-	-	-
Dante's Inferno 20	26.32	-	-	-

Amplification Plots:

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





