



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1797

Target pathogen: Hop Latent Viroid

07 June 2024

Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 06/05/2024
Date Received: 06/06/2024
Date Reported: 06/07/2024
Total samples: 19

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	-	24.15	-	+
.Positive 2	-	-	26.7	+
Amaretto Sour 42547	25.94	-	-	-
Amaretto Sour 42548	26.97	-	-	-
Amaretto Sour 42549	24.71	-	-	-
Amaretto Sour 42550	23.58	-	-	-
Amaretto Sour 42551	26.11	-	-	-
Amaretto Sour 42552	25.34	-	-	-
Amaretto Sour 42553	25.1	-	-	-
Amaretto Sour 42554	24.02	-	-	-
Amaretto Sour 42555	24.53	-	-	-
Amaretto Sour 42556	23.22	-	-	-
Banana Cooler 42557	25.45	-	-	-
Banana Cooler 42558	23.56	-	-	-
Banana Cooler 42559	24.41	-	-	-
Banana Cooler 42560	24.31	-	-	-
Banana Cooler 42561	24.44	-	-	-
Banana Cooler 42562	24.13	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Banana Cooler 42563	24.62	-	-	-
Blue Dream 42305	24.06	-	-	-
Blue Dream 42307	24.8	-	-	-

Amplification Plots:

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







