



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 2027

Target pathogen: Hop Latent Viroid

01 November 2024

Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 10/30/2024
Date Received: 10/31/2024
Date Reported: 11/01/2024
Total samples: 23

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	-	23.03	-	+
.Positive 2	-	-	31.28	+
Grape Popper 44060	30.06	-	-	-
Grape Popper 44061	30.66	-	-	-
Grape Popper 44062	28.3	-	-	-
Honey Banan 45441	30.56	-	-	-
IceCr x Gel 44066	30.4	-	-	-
IceCr x Gel 44067	30.12	-	-	-
IceCr x Gel 44068	31.09	-	-	-
Jokers NOS 45607	32.21	-	-	-
LemCher x Soap 44064	28.58	-	-	-
LemCher x Soap 44065	28.98	-	-	-
Lemon Vuitton 43776	31.91	-	-	-
Mac N Jack 45483	31.21	-	-	-
Mac N Jack 45484	30.62	-	-	-
Maddfruit 45482	30.15	-	-	-
Melt.Strawb 43772	31.08	-	-	-
Moroccan Peach 45480	31.35	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Mothball 43770	31.11	-	-	-
Perm.LeeHi 45255	30.28	-	-	-
Perm.LeeHi 45256	30.6	-	-	-
SouthSunset 45261	37.03	-	-	-
Strawb Pie 43771	32.71	-	-	-
StunnaRuntz 45381	29.6	-	-	-
StunnaRuntz 45382	29.46	-	-	-

Amplification Plots:

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







