



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1994

Target pathogen: Hop Latent Viroid

16 October 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 10/14/2024
Date Received: 10/15/2024
Date Reported: 10/16/2024
Total samples: 22

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	-	23.63	-	+
.Positive 2	-	-	27.77	+
Acai Gelato H	30.5	-	-	-
Dantes Cookie Jar 45335	27.64	-	-	-
Dantes Cookie Jar 45336	28.41	-	-	-
Dantes Cookie Jar 45337	29.04	-	-	-
Dantes Cookie Jar 45338	27.2	-	-	-
Dantes Cookie Jar 45339	31.09	-	-	-
Dantes Cookie Jar 45340	29.3	-	-	-
Dantes Cookie Jar 45341	28.84	-	-	-
Purple Chrome #8 45328	28.63	-	-	-
Purple Chrome #8 45329	27.95	-	-	-
Purple Chrome #8 45330	29.17	-	-	-
Purple Chrome #8 45331	27.81	-	-	-
Purple Chrome #8 45332	27.46	-	-	-
Purple Chrome #8 45333	28.19	-	-	-
Purple Chrome #8 45334	26.99	-	-	-
Smashburger #27 45354	27.09	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Smashburger #27 45355	30.53	-	-	-
Smashburger #27 45356	30.93	-	-	-
Smashburger #27 45357	30	-	-	-
Smashburger #27 45358	27.76	-	-	-
Smashburger #27 45359	27.57	-	-	-
Smashburger #27 45360	30.09	-	-	-

Amplification Plots:

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







