



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1450

Target pathogen: Hop Latent Viroid

08 December 2023



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 12/06/2023
Date Received: 12/07/2023
Date Reported: 12/08/2023
Total samples: 38

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	-	29.45	-	+
.Positive 2	-	-	29.81	+
Acai Gelato 01	25.58	-	-	-
Acai Gelato 02	28.8	-	-	-
Acai Gelato 03	27.17	-	-	-
Acai Gelato 04	27.94	-	-	-
Acai Gelato 05	27.61	-	-	-
Acai Gelato 06	26.78	-	-	-
Acai Gelato 07	30.02	-	-	-
Acai Gelato 08	27.09	-	-	-
Acai Gelato 09	26.01	-	-	-
Acai Gelato 10	28.76	-	-	-
Acai Gelato 41501	29.23	-	-	-
Acai Gelato 41502	28.33	-	-	-
Acai Gelato 41503	29.83	-	-	-
Acai Gelato 41504	29.11	-	-	-
Acai Gelato 41505	27.84	-	-	-
Cereal Milk 10	28.76	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Cereal Milk 41377	29.84	-	-	-
Gas Face 01	26.75	-	-	-
Gas Face 02	28.65	-	-	-
Gas Face 03	27.01	-	-	-
Gas Face 04	28.48	-	-	-
Gas Face 05	26.1	-	-	-
Gas Face 06	26.31	-	-	-
Gas Face 07	28.78	-	-	-
Gas Face 08	26.38	-	-	-
Gas Face 09	26.29	-	-	-
Gas Face 10	24.2	-	-	-
Pink RNTZ 01	25.39	-	-	-
Pink RNTZ 02	25.57	-	-	-
Pink RNTZ 03	25.57	-	-	-
Pink RNTZ 04	24.99	-	-	-
Pink RNTZ 05	28.05	-	-	-
Pink RNTZ 06	25.33	-	-	-
Pink RNTZ 41394	28.1	-	-	-
Pink RNTZ 41395	28.3	-	-	-
Pink RNTZ 41396	27.86	-	-	-
Pink RNTZ 41397	29.25	-	-	-
Pink RNTZ 41398	30.04	-	-	-

Amplification Plots:

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









