



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 2078

Target pathogen: Hop Latent Viroid

13 December 2024



Order details:

Client: Kaprikorn
Target Pathogen: Hop Latent Viroid
Date Sampled: 12/11/2024
Date Received: 12/12/2024
Date Reported: 12/13/2024
Total samples: 16

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	-	29.08	-	+
.Positive 2	-	-	24.85	+
Gary Payton 01	28.48	-	-	-
Gary Payton 02	28.42	-	-	-
Gary Payton 03	29.01	-	-	-
Gary Payton 04	28.93	-	-	-
Gary Payton 05	30.2	-	-	-
Gary Payton 06	27.57	-	-	-
Gary Payton 07	29.33	-	-	-
Gary Payton 08	27.97	-	-	-
Gary Payton 09	29.16	-	-	-
Gary Payton 10	27.16	-	-	-
Gary Payton 11	30.25	-	-	-
Gary Payton 12	25.35	-	-	-
Gary Payton 13	27.88	-	-	-
Gary Payton 14	28.57	-	-	-
Gary Payton 15	27.97	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Gary Payton 16	28.7	-	-	-

Amplification Plots:

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





