



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1589

Target pathogen: Hop Latent Viroid

15 March 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 03/13/2024  
**Date Received:** 03/14/2024  
**Date Reported:** 03/15/2024  
**Total samples:** 46

**NUMBER SAMPLES INFECTED:** 0

**Results interpretation:**

**C<sub>T</sub> (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<sub>T</sub>  
EXCELLENT: 27 - 30 C<sub>T</sub>  
GREAT: 30 - 32 C<sub>T</sub>  
OKAY: 32 - 35 C<sub>T</sub>  
FAIL: >35 C<sub>T</sub>

**HLVd** - Detection C<sub>T</sub> and relative amount of HLVd in the sample:

HIGH: <15 - 20 C<sub>T</sub>  
MEDIUM: 21 - 28 C<sub>T</sub>  
LOW: 29 - <35 C<sub>T</sub>  
INCONCLUSIVE: >35 C<sub>T</sub>

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
.Positive 1	-	24.45	-	+
.Positive 2	-	-	30.1	+
Jungle Juice 03 A	23.14	-	-	-
Jungle Juice 06 A	24.84	-	-	-
Jungle Juice 09 A	25.02	-	-	-
Jungle Juice 10 A	22.02	-	-	-
Jungle Juice 13 A	21.58	-	-	-
Mule Fuel 01 A	22.34	-	-	-
Mule Fuel 03 A	23.27	-	-	-
Mule Fuel 07 A	25.05	-	-	-
Mule Fuel 10 A	25.37	-	-	-
Pink RNTZ 02 A	25.16	-	-	-
Pink RNTZ 03 A	23.65	-	-	-
Pink RNTZ 06 A	23.04	-	-	-
Pink RNTZ 09 A	23.8	-	-	-
Pink RNTZ 11 A	23.56	-	-	-
Pink RNTZ 15 A	25	-	-	-
Punch Breath 01 A	25.55	-	-	-

Identifier	Control	HLVd #1	HLVd #2	HLVd Status
Punch Breath 04 A	23.49	-	-	-
Punch Breath 06 A	24.31	-	-	-
Punch Breath 08 A	24.07	-	-	-
Punch Breath 10 A	22.81	-	-	-
Punch Breath 14 A	24.72	-	-	-
Spritzer 01 A	23.93	-	-	-
Spritzer 02 A	22.3	-	-	-
Spritzer 03 A	21.83	-	-	-
Spritzer 04 A	24.52	-	-	-
Spritzer 06 A	20.4	-	-	-
Spritzer 11 A	21.33	-	-	-
Spritzer 12 A	24.67	-	-	-
Spritzer 13 A	21.74	-	-	-
Studio 54 (A) 02 A	22.53	-	-	-
Studio 54 (A) 03 A	22.9	-	-	-
Studio 54 (A) 07 A	23.49	-	-	-
Studio 54 (A) 11 A	23.22	-	-	-
Studio 54 (A) 12 A	22.47	-	-	-
Studio 54 (B) 08 A	23.72	-	-	-
Watermelon Jealousy 01 A	25.25	-	-	-
Watermelon Jealousy 02 A	27.45	-	-	-
Watermelon Jealousy 06 A	27.38	-	-	-
Watermelon Jealousy 08 A	23.61	-	-	-
Watermelon Jealousy 11 A	23.3	-	-	-
Watermelon Jealousy 13 A	25.81	-	-	-
White Truffle 02 A	21.47	-	-	-
White Truffle 04 A	22.63	-	-	-
White Truffle 08 A	21.76	-	-	-
White Truffle 09 A	21.84	-	-	-
White Truffle 14 A	22.17	-	-	-

### Amplification Plots:

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













