



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1553

Target pathogen: Hop Latent Viroid

22 February 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 02/20/2024  
**Date Received:** 02/21/2024  
**Date Reported:** 02/22/2024  
**Total samples:** 6

**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	-	29.24	-	+
.Positive 2	-	-	25.83	+
Lizard Burger A	30.14	-	-	-
Lizard Burger B	25.4	-	-	-
Supreme Lee-Hi A	23.51	-	-	-
Supreme Lee-Hi B	25.55	-	-	-
Trap Fuel A	25.75	-	-	-
Trap Fuel B	28.11	-	-	-

**Amplification Plots:**

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

