



TaqMan RT-PCR Results

Client: Kaprikorn

Order: 1867

Target pathogen: Hop Latent Viroid

19 July 2024



**Order details:**

**Client:** Kaprikorn  
**Target Pathogen:** Hop Latent Viroid  
**Date Sampled:** 07/17/2024  
**Date Received:** 07/18/2024  
**Date Reported:** 07/19/2024  
**Total samples:** 13

**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	-	25.98	-	+
.Positive 2	-	-	26.74	+
818 Headband 42670	29.11	-	-	-
Animal Mintz x Kush Mintz 42914	28.56	-	-	-
Animal Mintz x Kush Mintz 42915	29.12	-	-	-
Apple Tartz 43778	28.54	-	-	-
Big Buns 43986	28.88	-	-	-
Big Buns 43987	28.23	-	-	-
Big Buns 43988	29.07	-	-	-
Big Detroit Energy 42671	25.85	-	-	-
Black Maple 1	27.16	-	-	-
Black Maple 3	26.19	-	-	-
Black Maple 4	26.11	-	-	-
Black Maple 5	26.94	-	-	-
Black Maple 6	27.2	-	-	-

### Amplification Plots:

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





