

Technical Description of the positive control for Monkeypox and Orthopoxviruses

For RUO (Research Use Only)

Caution: The vials containing the positive control should be stored at -20°C in the dark. Stable at least 6 months in these conditions.

A vial contains 3,76E+07 copies/ μ l

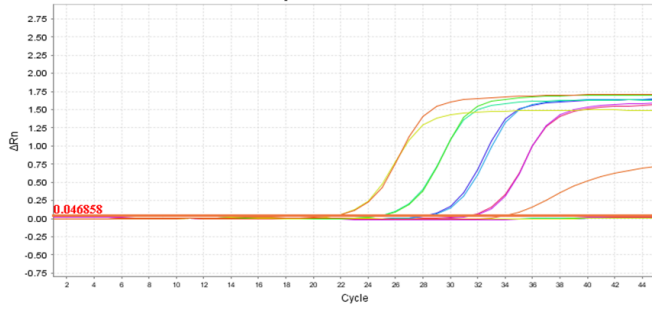
1. Rehydration of Lyophilized positive control

- Write the date on the vial before opening.
- Resuspend the positive control in 500 μ L water (molecular grade) / vial.
- Homogenize by pipetting up and down in the glass vial a 50 μ L-volume 10 to 20 times
- Rehydrated positive control must be incubated at room temperature for 5 min
- After resuspension, the positive control can be stored at -80°C for optimal stability.
- For immediate use, the rehydrated positive control could be diluted to 10⁻² in water and can be stored at 4 °C for up to 7 days

2. Protocol used for validation of the positive control at UVE (Unité des Virus Emergents, Marseille, France)

- 500 μ L of water (molecular grade) were added in a vial and the positive control was resuspended as described above.

Amplification Plot

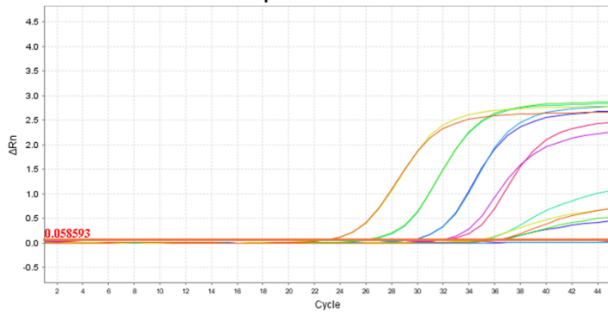


Results obtained with « F3L » P&P and GoTaq®
Probe qPCR Mastermix kit, Promega on QS12K
Flex instrument

Pure T+ ~22Ct

10⁻² T+ ~29Ct

Amplification Plot



Results obtained with « OPE9L » P&P and
GoTaq® Probe qPCR Mastermix kit, Promega on
QS12K Flex instrument

Pure T+ ~23Ct

10⁻² T+ ~30Ct