



Cat. No. E0291

Lyse Buffer PVP

Lyse Buffer PVP is recommended for the lysis of plant tissues rich in phenolic compounds and lignins. Lyse Buffer PVP contains polyvinylpyrrolidone (PVP), that binds to polyphenolics and polysaccharides that are commonly present in plant tissues and have a direct impact on the reduction of enzymatic reactions performance and efficiency.

In the case of PCR/RT-PCR inhibition while working with problematic plant species or under the biotic or abiotic stress, that induces phenolics production, we recommend the lysis buffer exchange in Universal DNA/RNA/Protein Purification Kit cat. no E3597 and **Universal RNA** Purification Kit cat. no E3598 according to the instruction provided in the manuals. Lyse Buffer PVP is made with DEPC treated water.

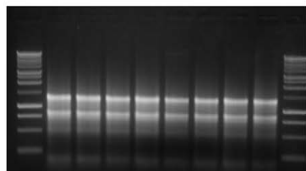
Cat. No.	Size
E0291-01	10 ml

Storage Conditions:

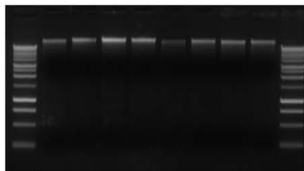
Store at 2-8°C



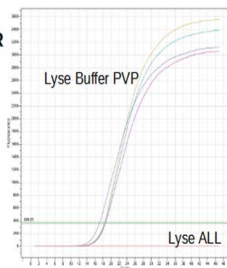
A: RNA Lyse ALL Lyse Buffer PVP



B: DNA Lyse ALL Lyse Buffer PVP



C: RT-qPCR



D: PCR

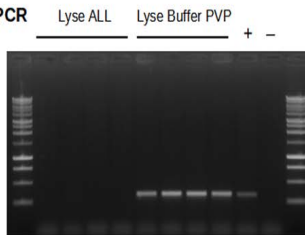


Fig. The increase in PCR/RT-qPCR efficiency with the use of Lyse Buffer PVP for nucleic acids extraction from English yew (*Taxus baccata*) shoots. DNA and RNA purification with the use of Universal DNA/RNA/Protein Purification Kit cat. no E3597 appendix 2. Lyse ALL – standard content of the kit. A – DNA; B – RNA; C – RT-qPCR SG OneStep PRO RT-qPCR Kit cat. no E0825; D – PCR products with plant universal primers (Moorhouse-Gann et al. 2018), + positive control DNA *Solanum tuberosum* leaves, - negative control. Perfect Plus 1 kb DNA Ladder cat. no E3131.

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