

A CALIBRE SCIENTIFIC COMPANY

BIOREBA



Potato DNA / RNA rapid extraction set

- Fast extraction in 30 minutes only
- Easy to use: only 5 steps
- Optimized for potato samples
- No specialised machines are needed
- Room temperature storage and shipment
- Total nucleic acids – extracts DNA and RNA in one procedure
- Validated and accredited method according to ISO / IEC 17025
- Extracted nucleic acids can be used for diagnostic tests such as real time PCR
- For pools of up to 25 potato samples
- Assays for viruses, bacteria and fungi

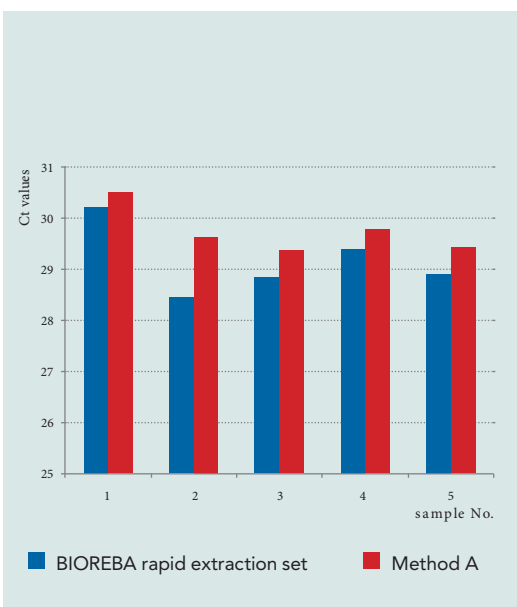


Figure 1
Graph shows Ct values of PVY-detection. RNA from 5 PVY infected dormant tuber samples was extracted in parallel using either the potato DNA / RNA rapid extraction set (BIOREBA, blue bar) or method A (other supplier, red bar).

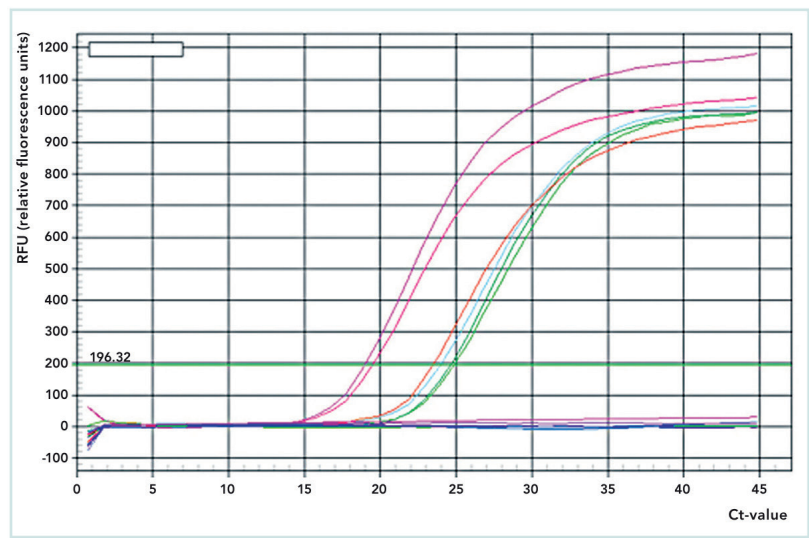


Figure 2
Graph shows amplification curves of different PVY infected samples (two leaf samples, four dormant tuber samples). Healthy control samples and no template controls do not show any amplification.

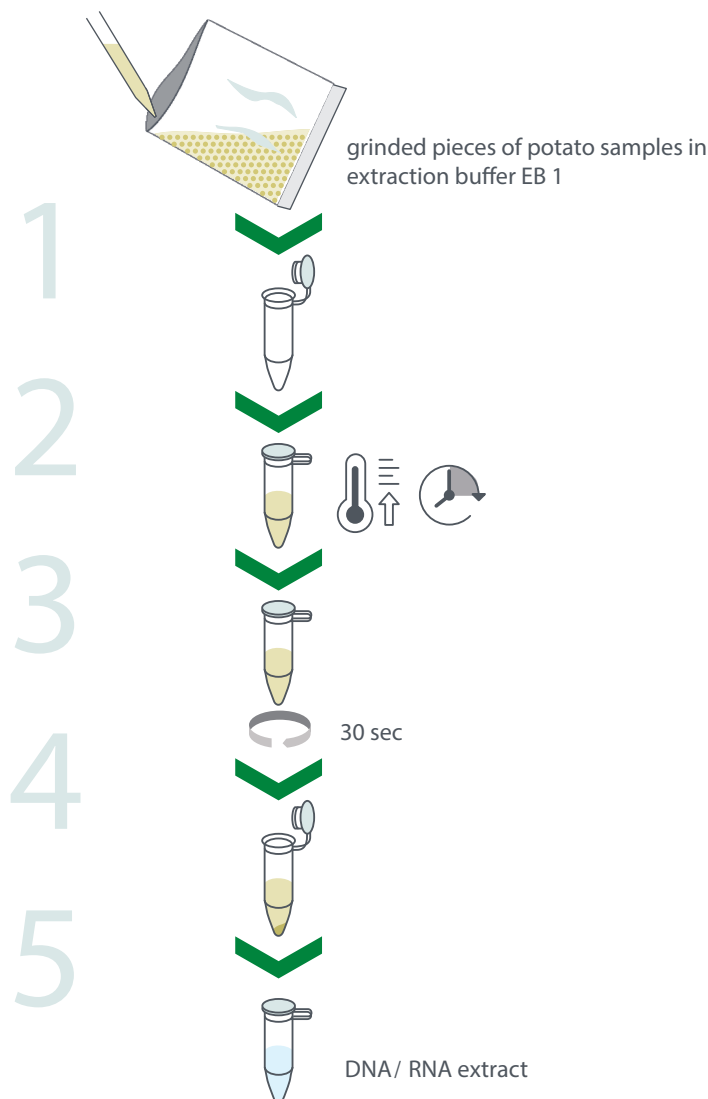
The potato DNA / RNA rapid extraction set is designed for phytodiagnostic use. It enables rapid and easy extraction of DNA and RNA from potato tuber and leaf samples. The extraction requires the use of two buffers only. Time consuming processing steps are eliminated. An especially cost efficient advantage is that the Potato DNA / RNA rapid extraction set requires no expensive machines.

Storage and shipment of the sets are at room temperature for convenient handling.

The set includes all reagents and extraction bags needed for DNA / RNA extraction. Separate samples for DNA and RNA extraction are not required as the set extracts total nucleic acids. Downstream applications such as real-time PCR can be performed for the detection of viruses, bacteria or fungi using one extract.

The extraction method with Potato DNA / RNA rapid extraction set has been validated and accredited according to ISO/IEC 17025. The method has been approved for seed potato certification.

Four set sizes are available for pools of 10 or up to 25 potato samples and for 96 or 192 extractions respectively.



Art. No.	Description	No. of reactions	Amount of samples (potatoes)	Transport & Storage
810003	Potato DNA / RNA rapid extraction set 96 / 10x for 96 extractions (Pool size: up to 10 tuber samples) set includes: • Rapid extraction buffer EB 1 (p) 100ml • Rapid extraction buffer EB 2 (p) 50 ml • Extraction bags Standard 12x15 cm 100 pcs	96	up to 10	RT
810004	Potato DNA / RNA rapid extraction set 96 / 25x for 96 extractions (Pool size: up to 25 tuber samples) set includes: • Rapid extraction buffer EB 1 (p) 2 x 100ml • Rapid extraction buffer EB 2 (p) 50 ml • Extraction bags Standard 12x15 cm 100 pcs	96	up to 25	RT
810005	Potato DNA / RNA rapid extraction set 192 / 10x for 192 extractions (Pool size: up to 10 tuber samples) set includes: • Rapid extraction buffer EB 1 (p) 2 x 100ml • Rapid extraction buffer EB 2 (p) 2 x 50 ml • Extraction bags Standard 12x15 cm 2 x 100 pcs	192	up to 10	RT
810006	Potato DNA / RNA rapid extraction set 192 / 25x for 192 extractions (Pool size: up to 25 tuber samples) set includes: • Rapid extraction buffer EB 1 (p) 4 x 100ml • Rapid extraction buffer EB 2 (p) 2 x 50 ml • Extraction bags Standard 12x15 cm 2 x 100 pcs	192	up to 25	RT

Version: 2 – 19.09.2025
Adaptions from last version: Minor changes in format and content.



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