

# Potato DNA/RNA rapid extraction set



## Nucleic acid extraction for potato samples

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.

### The characteristics of our Potato DNA/RNA rapid extraction set are:

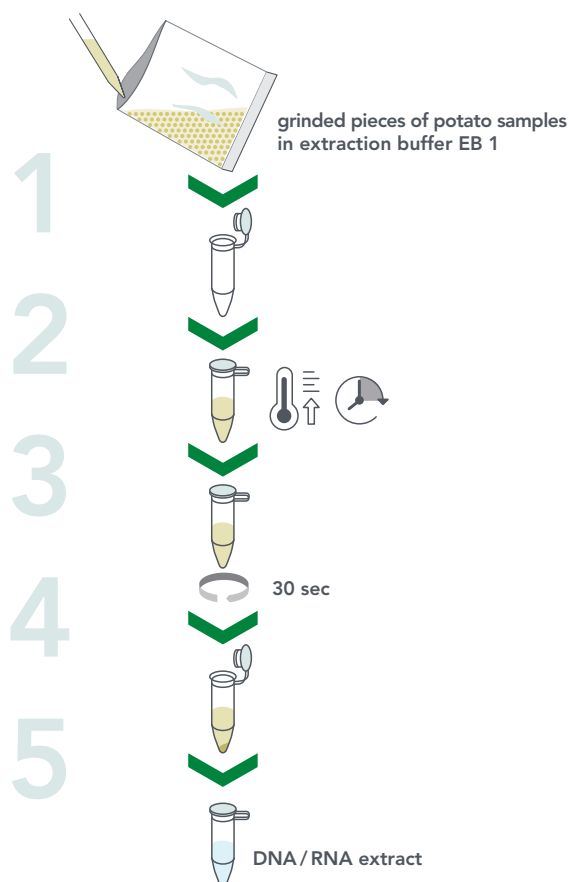
- Fast extraction in 30 minutes only
- Easy to use: only 5 steps
- Optimized for potato samples
- No specialised machines are needed
- Room temperature storage and shipment
- Total nucleic acids – extracts DNA and RNA in one procedure
- Validated and accredited method according to ISO/IEC 17025
- Extracted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

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 or PCR macroarray 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 (see next page).



Art. No.	Product	No. of reactions	Amount of samples (potatoes)
810003	Potato DNA/RNA rapid extraction set 96 / 10x for 96 extractions (Pool size: up to 10 tuber samples) set includes: <ul style="list-style-type: none"> <li>• Rapid extraction buffer EB 1 (p) 100ml</li> <li>• Rapid extraction buffer EB 2 (p) 50 ml</li> <li>• Extraction bags Standard 12x15 cm 100 pcs</li> </ul>	96	up to 10
810004	Potato DNA/RNA rapid extraction set 96 / 25x for 96 extractions (Pool size: up to 25 tuber samples) set includes: <ul style="list-style-type: none"> <li>• Rapid extraction buffer EB 1 (p) 200ml</li> <li>• Rapid extraction buffer EB 2 (p) 50 ml</li> <li>• Extraction bags Standard 12x15 cm 100 pcs</li> </ul>	96	up to 25
810005	Potato DNA/RNA rapid extraction set 192 / 10x for 192 extractions (Pool size: up to 10 tuber samples) set includes: <ul style="list-style-type: none"> <li>• Rapid extraction buffer EB 1 (p) 200ml</li> <li>• Rapid extraction buffer EB 2 (p) 100 ml</li> <li>• Extraction bags Standard 12x15 cm 2 x 100 pcs</li> </ul>	192	up to 10
810006	Potato DNA/RNA rapid extraction set 192 / 25x for 192 extractions (Pool size: up to 25 tuber samples) set includes: <ul style="list-style-type: none"> <li>• Rapid extraction buffer EB 1 (p) 2 x 200ml</li> <li>• Rapid extraction buffer EB 2 (p) 100 ml</li> <li>• Extraction bags Standard 12x15 cm 2 x 100 pcs</li> </ul>	192	up to 25

## Extraction buffers for ELISA

Product	Art. No.	Size	sufficient for
Extraction buffer «General» (10x)	110120	500 ml	1000 samples**
Extraction buffer «Grapevine» (5x)	110123	2 x 500 ml	1000 samples**
Extraction buffer «Bulbs & Tubers» ***	110122	500 ml	1000 samples**
Extraction buffer «Caulimo» ****	110124	500 ml	1000 samples
Extraction buffer «Caulimo» ****	110224	250 ml	500 samples

\*\* Calculated with 5 ml extraction buffer per sample of 0.25 g

\*\*\* Composed of 500 ml extraction buffer «General» (10x) and 50 g egg albumin

\*\*\*\* Includes extraction buffer «Caulimo» (10x), urea, and egg albumin