

# DNeasy® Plant Pro Kit

Superior DNA yield without PCR inhibitors from plant samples

Overview

What's New?

Higher  
DNA Yields

Reduced  
PCR Inhibitors

Superior IRT

Automated on  
QIAcube

Optimized  
NGS/PCR

Ordering  
Information



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## Genomic DNA from plant cells, tissues and seeds

- Highly efficient lysis and release of DNA from tough plant materials
- Co-purify bacterial, fungal and viral DNA from associated plant pathogens
- Bead-beating technology enables efficient recovery of higher DNA yields
- Superior inhibitor removal with patented Inhibitor Removal Technology (IRT)

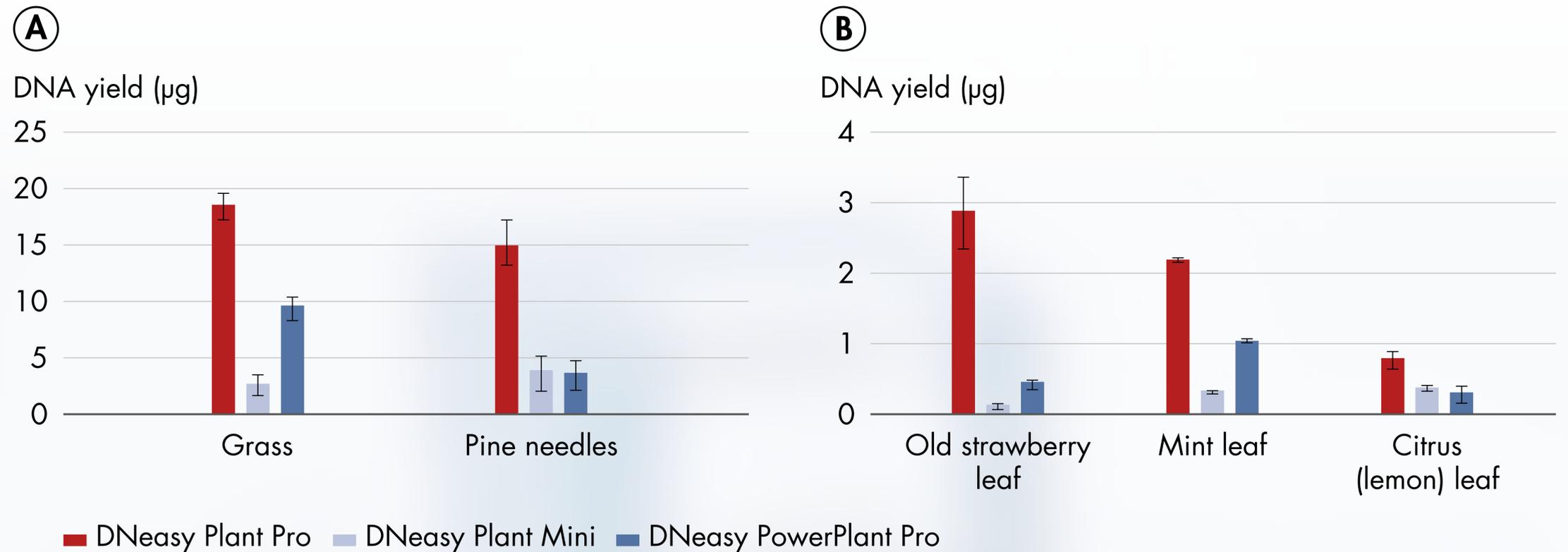


The next generation of DNeasy Plant Kits!

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## Significantly higher yields of DNA from the toughest sample types

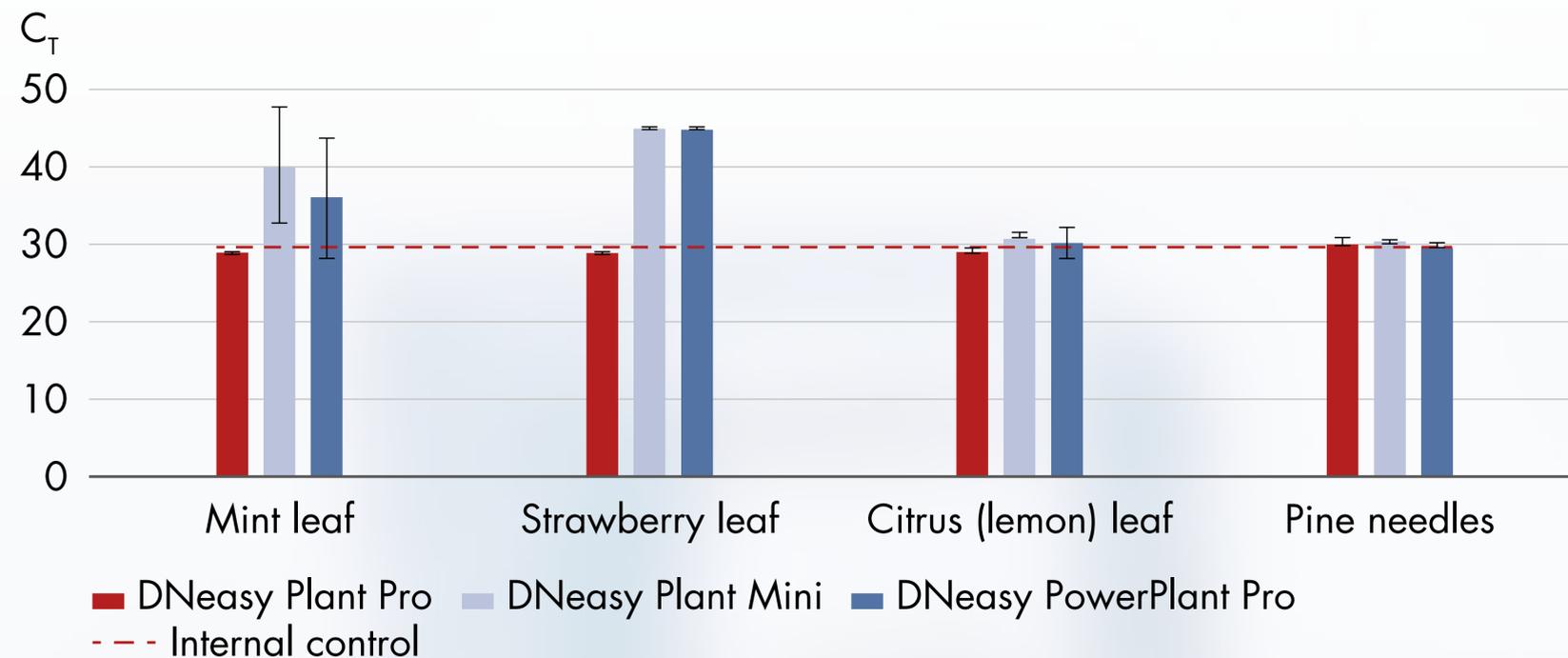


DNeasy Plant Pro Kit outperforms the QIAGEN<sup>®</sup> legacy kits – DNeasy Plant Mini and DNeasy PowerPlant Pro Kits

- DNA isolated from 50 mg of plant material
- **A:** Plants with high DNA content
- **B:** Plants with low DNA content

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## Superior removal of inhibitors, pure DNA without PCR inhibition



DNeasy Plant Pro Kit outperforms the QIAGEN legacy kits – DNeasy Plant Mini and DNeasy PowerPlant Pro Kits

- Aliquot of plant DNA eluates spiked into an internal control (IC) PCR with the QuantiFast<sup>®</sup> Pathogen +IC Kit
- No PCR inhibition by the DNeasy Plant Pro eluate

## Significantly higher yields and superior inhibitor removal

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Higher DNA Yields

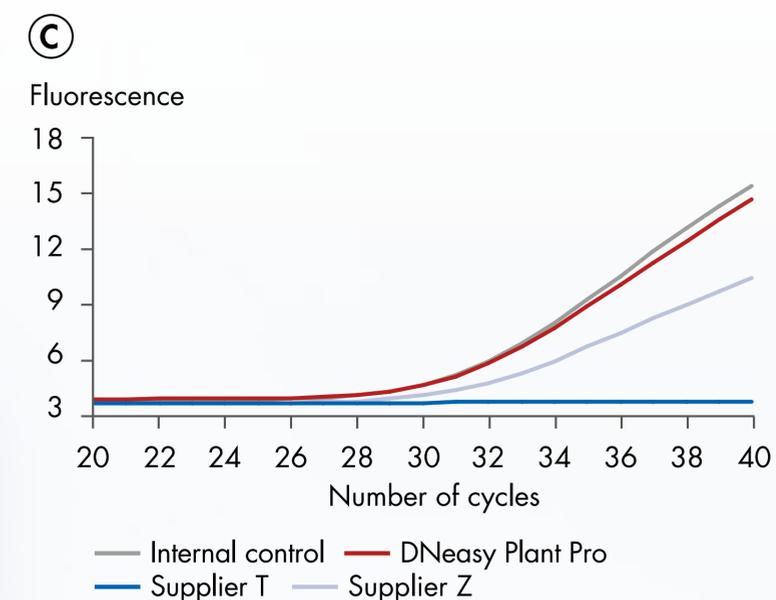
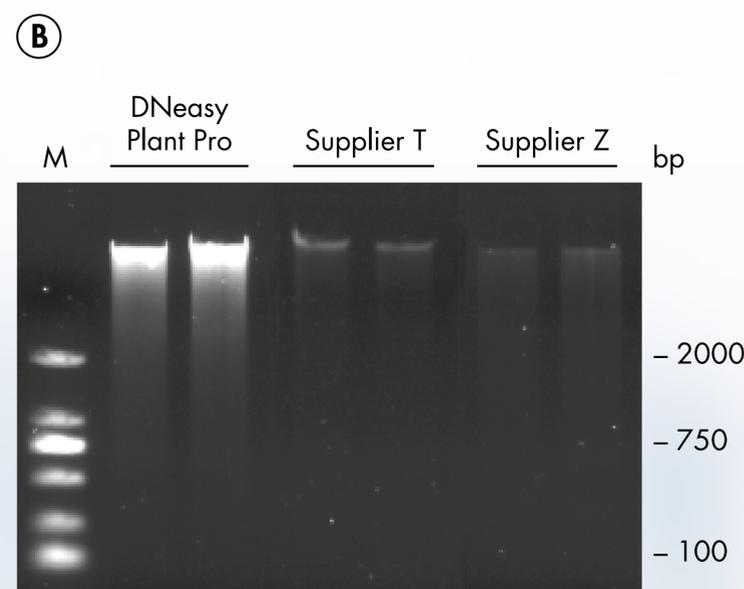
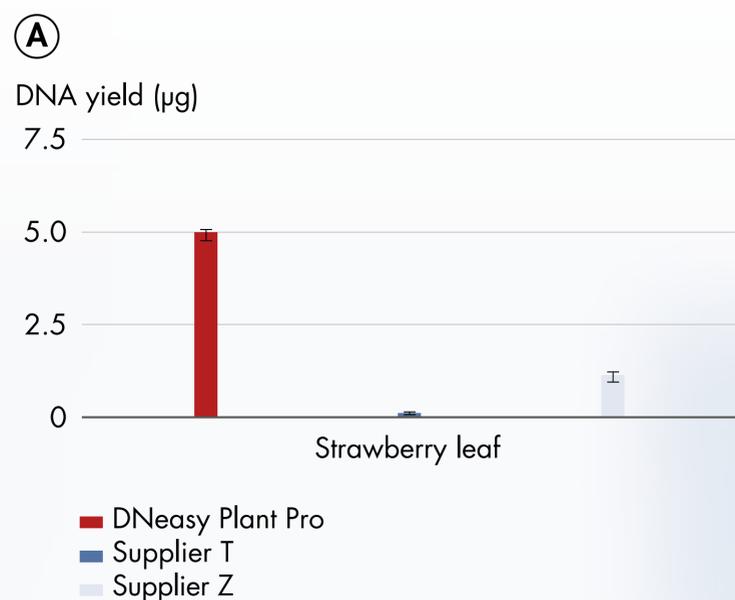
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## DNeasy Plant Pro Kit outperforms competitor plant kits

DNA isolated from 50 mg samples of strawberry leaves

- **A:** DNA yield measured with a Qubit<sup>®</sup> Fluorometer
- **B:** Aliquot analyzed by gel electrophoresis
- **C:** Aliquot of strawberry DNA eluate spiked into an internal control (IC) PCR with the QuantiFast Pathogen +IC Kit

# Automate your plant DNA purification on the QIAcube®

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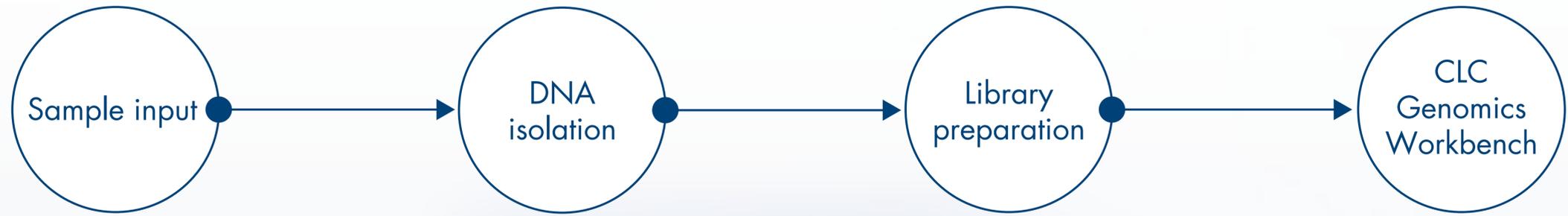
Ordering Information



- No change of purification chemistry required
- More free time with affordable automated processing
- Standardized results and increased productivity

QIAcube  
Standard Protocol

## Successful identification of plant pathogens by NGS

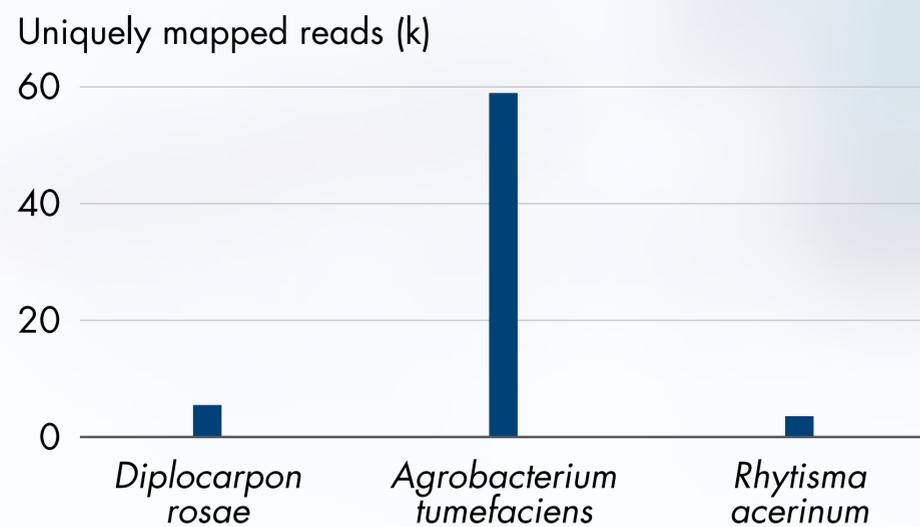


- 50 mg affected plant sample

- Isolation of high-quality DNA using the DNeasy Plant Pro Kit
- DNA can be used immediately for

- WGS: QIAseq FX DNA Library Kit
- MiSeq 2 x 250 bp

- Microbial Genomics Pro Suite
- Taxonomic profiling of whole shotgun metagenomics data



- DNA from 50 mg plant material infected with respective pathogen
- Whole genome library with QIAseq<sup>®</sup> FX DNA Library Kit
- Sequenced on an Illumina<sup>®</sup> MiSeq<sup>®</sup> system
- Reads analyzed with the CLC Genomic Workbench (Microbial Genomics Pro Suite)

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Product	Description	Cat. no.
<a href="#">DNeasy Plant Pro Kit (50)</a>	Tissue Disruption Tubes, MB Spin Columns, Buffers, Collection Tubes (1.5 and 2 ml), for 50 preps	69204
<a href="#">DNeasy Plant Pro Kit (250)</a>	Tissue Disruption Tubes, MB Spin Columns, Buffers, Collection Tubes (1.5 and 2 ml), for 250 preps	69206

The DNeasy Plant Pro Kit is intended for molecular biology applications. This product is not intended for the diagnosis, prevention, or treatment of a disease.

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