



Bio-Nobile Plant DNA purification solutions

Scalable & Flexible

- convenient for different sample materials and amounts
- use with the QuicPick™ magnetic tools or automated sample purification workstations

Fast purification

- rapid protocols ensure high-quality DNA
- short hands-on-time

Reliable

- reproducible results
- robust protocols
- high-quality purified product





For versatile Plant DNA purification

Move particles – not liquids

The QuickPick method offers a flexible and easy to use alternative for sample purification. Moving particles, not liquids, provides tangible improvements to the conventional magnetic purification, both for low throughput manual applications as well as for automatic solutions. The QuickPick method allows the use of pre-dispensed reagents and therefore time can be saved in the preparation of and setting up the purification. The QuickPick method enables visual control, wash steps can be easily repeated and large or difficult samples can be split, processed in parallel and recombined in the final purification step.

The method eliminates strong external magnetic fields and centrifugal forces. Minimized shearing forces are especially beneficial in the DNA purification applications.

Comprehensive range of sample materials

Purify DNA from a wide range of plant species with QuickPick™ Plant DNA reagents. High quality DNA can be extracted from different sample materials, e.g. leaf, seed or root.

Scalable kits for varying sample sizes

QuickPick™ SML Plant DNA reagents can be used for variable sample sizes. With QuickPick™ SML Plant DNA reagents the sample volumes may be scaled up and down, giving the yield of high-quality DNA appropriate for the intended downstream application. QuickPick technology gives further benefit when DNA is concentrated by transferring to small elution volumes.

QuickPick™ SML Plant DNA reagents are linearly scalable from 1 mg to 100 mg fresh plant leaf or seed tissue using automated robotic workstations. When using the manual QuickPick 1-M tool purification can be done in most vessel formats and therefore scalability is higher.

QuickPick™ SML Plant DNA reagents are also available in custom and bulk configurations.

QuickPick™ Plant DNA reagents are based on proprietary magnetic particles and QuickPick technology. Reagents can be used with QuickPick one magnet tool for single purification and QuickPick eight magnet tool for higher throughput in 96-well plate format as well as with automated robotic workstations.



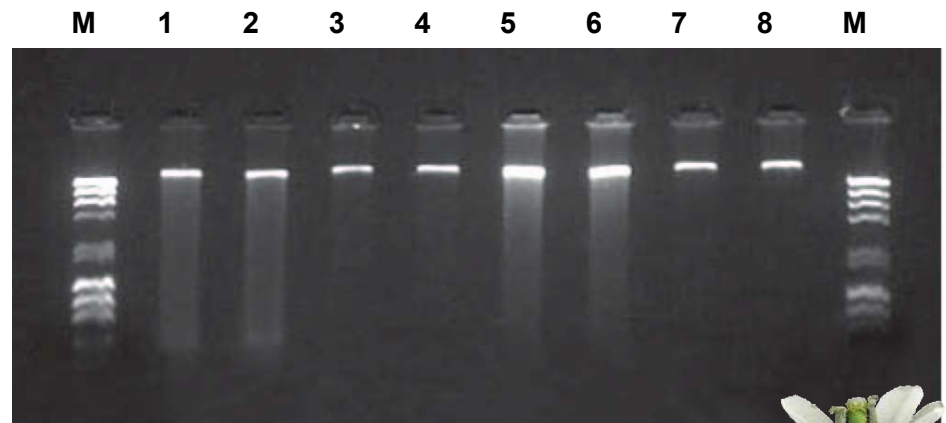
For versatile *Plant DNA purification*

Downstream applications

DNA purified using QuickPick™ Plant DNA reagents typically show an approximate size of 20-30 kbp which is suitable for downstream applications, including:

- PCR
- sequencing
- RE digestion
- cloning

Purification of plant genomic DNA from barley, lettuce (lactuca), basilica and arabidopsis



M = Marker / 1-2 = Barley / 3-4 = Lactuca / 5-6 = Basilica / 7-8 = Arabidopsis



Optimized protocols

Ready-to-use protocols with QuickPick™ chemistry are available for both the QuicPick magnetic tools and automated robotic workstations. Customized protocols are available for different applications.

Sample		Amount	Yield µg	Purity 260/280*
<i>Hordeum Vulgare</i> (barley)	leaf	50 mg	5,3	> 1.8
<i>Lactuca sativa</i> L. c.v. Grand Rapids	leaf	50 mg	3	> 1.8
<i>Ocimum basilicum</i>	leaf	50 mg	4,5	> 1.8
<i>Arabidopsis Thaliana</i>	leaf	50 mg	2	> 1.8

*corrected with 320 nm



The QuicPick multiEight tool
and the QuicPick 1-magnet tool



QuickPick™ Plant DNA

Kits

- 53002 QuickPick™ SML Plant DNA kit, 8 preps
- 53012 QuickPick™ SML Plant DNA kit, 24 preps
- 53022 QuickPick™ SML Plant DNA kit, 96 preps

XL reagents

- 53100 QuickPick™ XL Plant DNA Magnetic Particles
- 53200 QuickPick™ XL Plant DNA Proteinase K
- 53300 QuickPick™ XL Plant DNA Binding Buffer
- 53400 QuickPick™ XL Plant DNA Lysis Buffer
- 53500 QuickPick™ XL Plant DNA Wash Buffer
- 53600 QuickPick™ XL Plant DNA Elution Buffer

Other products available

QuickPick™ kits

- gDNA purification kits
- DNA Fragment purification kits
- Plasmid DNA purification kits
- mRNA purification kits
- Total RNA purification kits
- Protein fractionation kits
- Protein purification kits



For research work: various paramagnetic particles with active surfaces

QuicPick™ Magnetic Tools

Magnetic Tools

- 24001 QuicPick 1-magnet tool
- 24008 QuicPick MultiEight 8-magnet tool
- 24001sp QuicPick Starter Pack with QuicPick 1-magnet Tool and 96 QuicPick Tips



Consumables

- 24051 Re-usable Tip box, 96 pos
- 24196 QuicPick Tip box with 96 tips
- 24096 QuicPick tips bulk 96
- 24500 QuicPick tips bulk 500



<http://www.qrettech.com>
Email: info@qrettech.com
Tel. +358-50-4471233
Turku, Finland