



Bio-Nobile Plant DNA purification solutions

Scalable & Flexible

- convenient for different sample materials and amounts
- use with the PickPen® magnetic tools or the MagRo™ 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 PickPen® 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 PickPen® method allows the use of pre-dispensed reagents and therefore time can be saved in the preparation of and setting up the purification. The PickPen® 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.

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. PickPen® 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 the MagRo™ 8-M robotic workstation. When using the manual PickPen® 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 PickPen® technology. Reagents can be used with PickPen® 1-M for single purification and PickPen® 8-M for higher throughput in 96-well plate format as well as with MagRo™ 8-M and 96-M robotic workstations.

Downstream applications

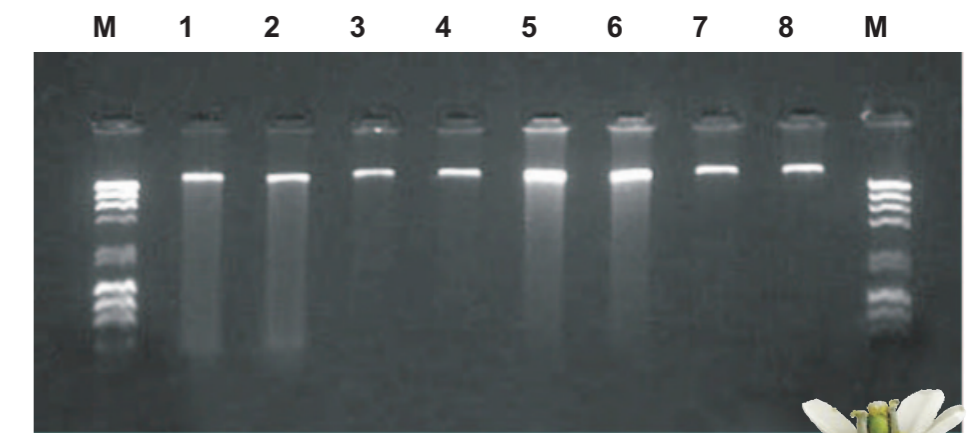
DNA purified using QuickPick™ Plant DNA reagents typically show an approximate size of 20-30 kbp which is suitable for downstream applications, including:

- PCR
- sequencing
- RE digestion
- cloning

Optimized protocols for the Bio-Nobile workstations

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

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

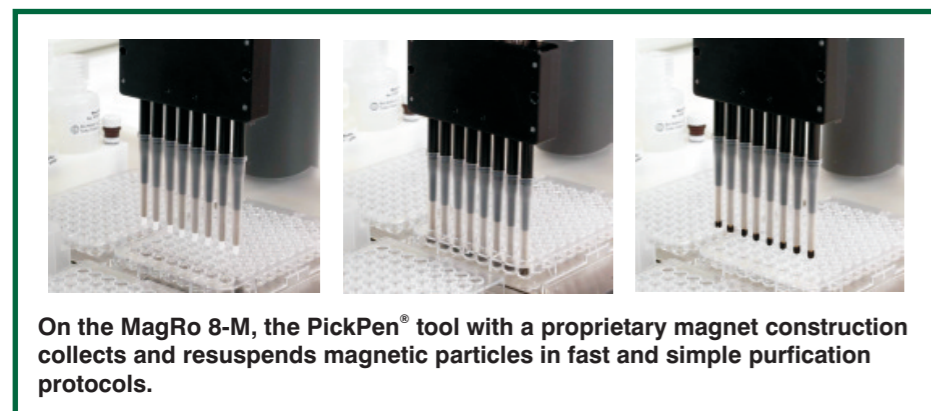


M = Marker / 1-2 = Barley / 3-4 = Lactuca / 5-6 = Basilica / 7-8 = Arabidopsis



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



On the MagRo 8-M, the PickPen® tool with a proprietary magnet construction collects and resuspends magnetic particles in fast and simple purification protocols.

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.





QuickPick™ Plant DNA

Kits

- 53003 QuickPick™ Plant DNA demo kit, 8 preps*
- 53002 QuickPick™ SML Plant DNA kit, 8 preps
- 53012 QuickPick™ SML Plant DNA kit, 24 preps
- 53022 QuickPick™ SML Plant DNA kit, 96 preps

*PickPen® tips included

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

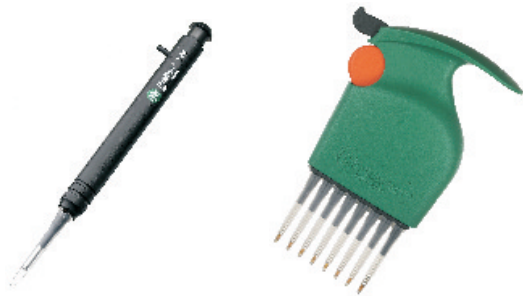
- gDNA purification kits
- Plant DNA purification kits
- DNA Fragment purification kits
- Plasmid DNA purification kits
- mRNA purification kits
- Protein fractionation kits
- Protein purification kits



For research work: various paramagnetic particles with active surfaces

PickPen® Magnetic Tools

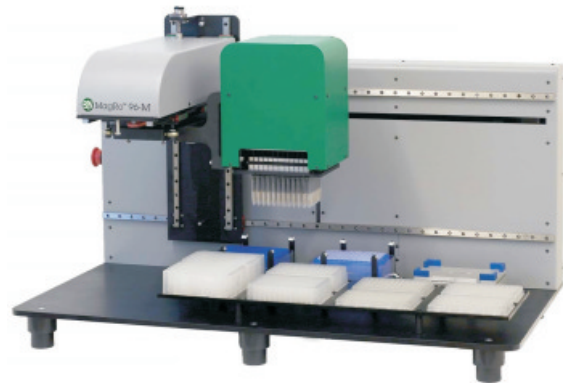
- 23001 PickPen® 1-M
- 23008 PickPen® 8-M



Distributed by:

MagRo™ robotic workstations

- 20008 MagRo™ 8-M robotic workstation
- 20960 MagRo™ 96-M robotic workstation



Consumables

- 34051 Re-usable Tip box, 96 pos
- 34196 PickPen® Tip box with 96 tips
- 34096 PickPen® tips bulk 96
- 34096 PickPen® tips bulk 96
- 34500 PickPen® tips bulk 500

Dispenser tips, racks and plates for the MagRo™ 8-M robotic workstation are also available.



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<http://www.bionobile.com> (Bio-Nobile™ products)
Email: info@bnproducts.com
Tel. +358-40-8359271
Turku, Finland