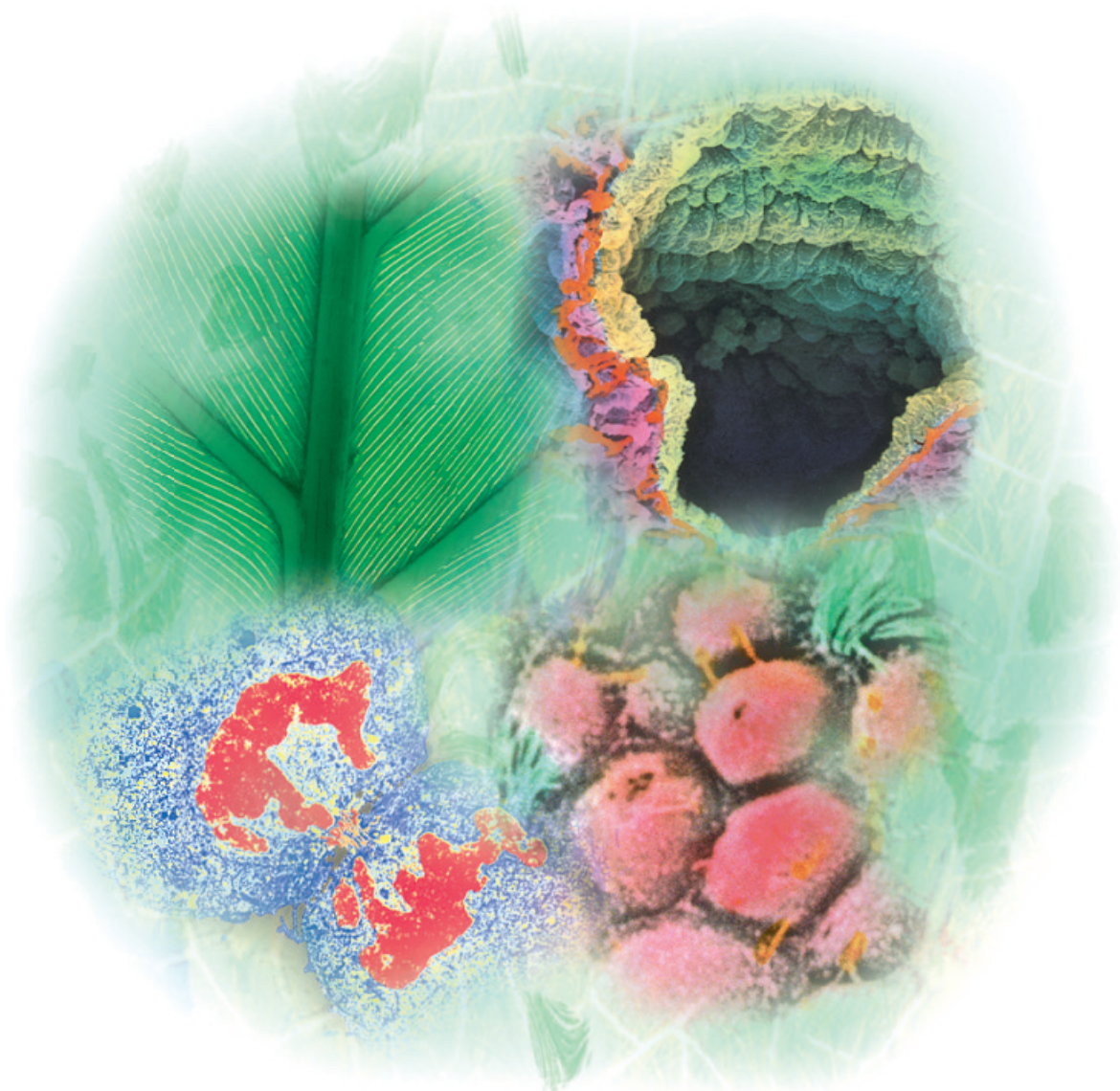




The Bio-Nobile™ mRNA purification solutions



Fast

- 96 samples in one hour
- Suitable for downstream applications without elution
- Specific affinity based purifications

Sensitive & Scalable

- Effective purification even from one cell
- Easy solution for varying sample number
- Scalability up to 1×10^6 cells

Versatile

- Wide range of sample materials
- Optimized for the PickPen® magnetic tools and the MagRo™ 8-M robotic workstation

Fast mRNA purification

Move particles – not liquids

The PickPen® method offers a flexible and easy alternative for sample purification. Moving particles, not liquids, provides tangible improvements to conventional magnetic bioseparation, both for low throughput manual applications as well as for automatic solutions.

PickPen® technology benefits

100 % mRNA recovery using solid phase elution

- The technology allows sensitive, direct amplification of mRNA bound on magnetic particles

User friendly non-toxic reagents

- No organic solvents are used during purification process

Superior ability for concentration of mRNA

- The method enables elution into small volumes to achieve mRNA concentration needed for sensitivity requiring applications e.g. RT-PCR

Simple automation of mRNA purification for real time PCR

- Direct purification of mRNA without need of shearing the DNA.
- Suitable for downstream applications without elution.

Rapid purification

- Moving magnetic particles - not liquids - enables short purification times

Simple preparation of viscous cell samples

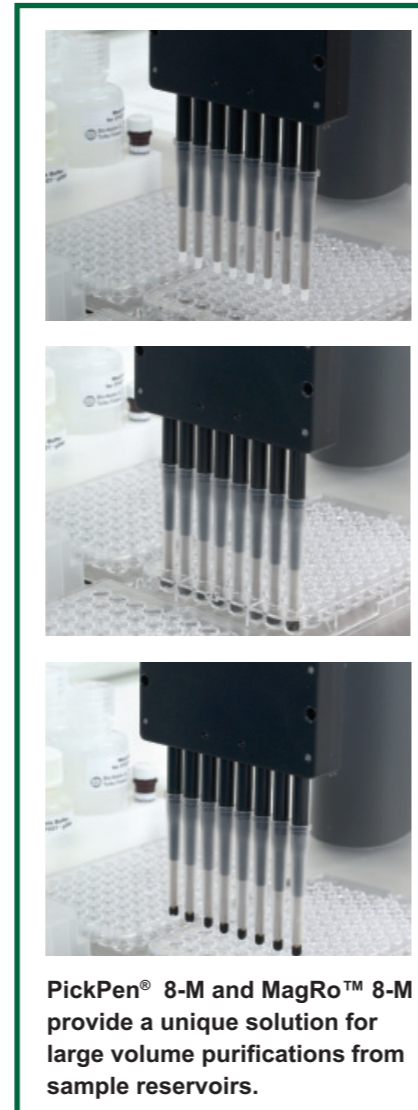
- To avoid the need to shear the DNA, viscous samples can be split, purified and recombined in the elution step

Scalable kits for different purification needs

The QuickPick™ SML kits are a convenient solution for applications where the sample or batch size vary, providing high-quality mRNA appropriate for the intended downstream application. The unique PickPen® technology used both in the MagRo™ 8-M robotic workstation and with the PickPen® magnetic tools gives

an extensive flexibility in choice of vessel formats.

Any vessel format may be chosen when the manual PickPen® 1-M tool is used. With the PickPen® 8-M and the MagRo™ 8-M robotic workstation 8 samples can be simultaneously processed in all types of 96-well plates, from standard to deep well plates and sample reservoirs.



PickPen® 8-M and MagRo™ 8-M provide a unique solution for large volume purifications from sample reservoirs.

Wide range of sample materials

The QuickPick™ SML mRNA kit is ideal for purifying mRNA from an extensive variety of starting materials, such as cells, plant, animal tissue and total RNA. Therefore the need for different kits for different sample material is eliminated.

Ready-to-use protocols with QuickPick™ chemistry are available for both the PickPen® magnetic tools and the MagRo™ 8-M robotic workstations. Protocols may be customized for specific applications.

PickPen® 8-M and MagRo™ 8-M provide a unique solution for large volume purifications from sample reservoirs.

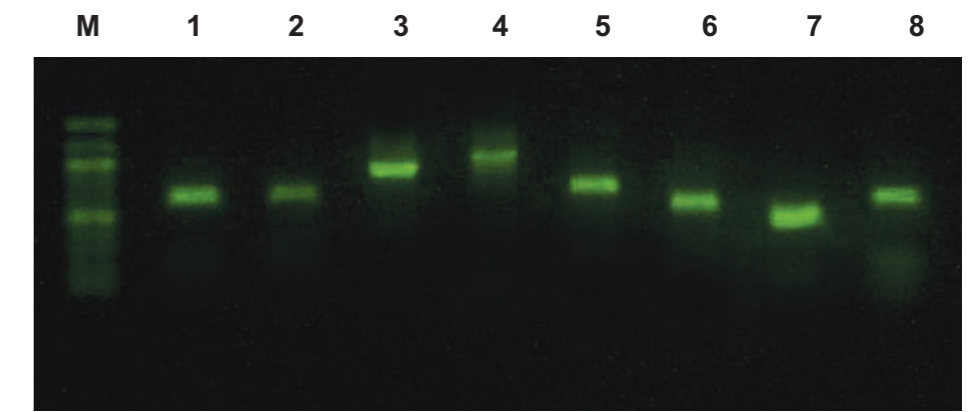
Downstream applications

The QuickPick™ mRNA kits used with gentle PickPen® technology result in high quality mRNA suitable for all common downstream applications, including:

- RT-PCR
- Real time PCR (e.g. multiplex assay)
- Microarray analysis
- cDNA libraries

Full mRNA recovery is obtained by using solid phase elution and amplifying mRNA directly from magnetic particles suspended in suitable buffer.

Purification of mRNA from cultured cells, liver tissue, barley and Total RNA, analyzed by using RT-PCR



M= marker / 1-2 = cultured cells, 15 cells / 3-4 = liver tissue, 3 mg / 5-6 = barley, 5 mg / 7-8 = Total RNA, 5 µg

To support high throughput and customizations all QuickPick™ SML mRNA reagents are available separately, and in bulk.



Use sample reservoirs for larger volumes.





QuickPick™ mRNA

Kits

- 41002 QuickPick™ SML mRNA kit, 8 preps
- 41012 QuickPick™ SML mRNA kit, 24 preps
- 41022 QuickPick™ SML mRNA kit, 96 preps

XL Reagents

- 41100 QuickPick™ XL mRNA Magnetic Particles
- 41300 QuickPick™ XL mRNA Lysis/Binding Buffer
- 41510 QuickPick™ XL mRNA Wash Buffer A
- 41520 QuickPick™ XL mRNA Wash Buffer B
- 41600 QuickPick™ XL mRNA Elution Buffer

Other products available:

QuickPick™ kits

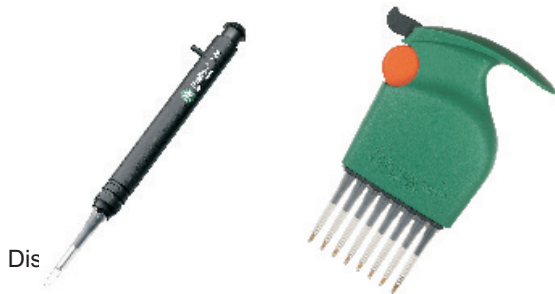
- total RNA purification kits
- Plant DNA purification kits
- DNA Fragment purification kits
- Plasmid DNA purification kits
- Genomic DNA purification kits
- Protein fractionation kits
- Protein purification kits



For research work: various paramagnetic particles with active surfaces

PickPen® Magnetic Tools

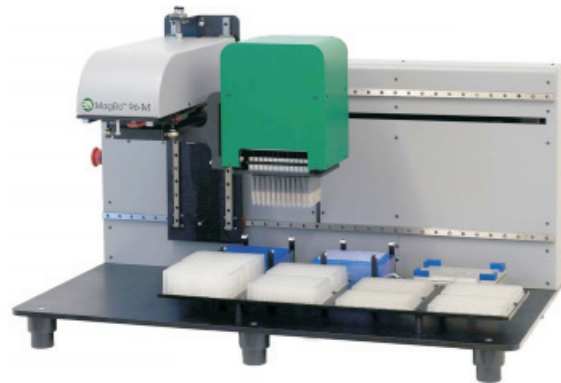
- 23001 PickPen® 1-M
- 23008 PickPen® 8-M



Dis

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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