



Purification made easy!



- *For automated nucleic acid and protein purification*
- *With the unique PickPen[®] magnetic tool*
- *Two instruments in one: sample purification and liquid handling on one versatile platform*

For automated sample purification

The MagRo™ 8-M robotic workstation brings the advantages of PickPen® magnetic particle technology to automated sample purification. Move particles, not liquids in simple and fast processing protocols.

Use the MagRo™ 8-M with ready-to-use protocols for QuickPick™ kits from Bio-Nobile, or customize your own applications. The flexible software design gives the choice of working with pre-programmed or tailor-made protocols.

Examples of applications:

- Purification of DNA from whole blood, plant tissue and other sample materials
- Purification of histidine-tagged proteins
- Immunoprecipitation protocols

Solutions for variable throughput needs

MagRo™ 8-M fills the gap between manual work and high throughput automation, and is a rational, cost-effective alternative for sample purification.

MagRo™ 8-M processes 8 wells at a time in batch sizes of up to 48 or even 96 samples per run depending on the application. Samples can be loaded in tube or microplate format, and both standard and deep-well plates are compatible with the workstation. No need for dedicated plasticware!



BN MagRo 8-M
2008 • robotic workstation

Robust technology with high precision and maximum flexibility

The MagRo™ 8-M successfully integrates magnetic particle processing and liquid handling into one flexible instrument. Carry out both pre- and post purification pipetting on the same compact platform. With its small footprint, MagRo™ 8-M saves on costly and limited lab space without compromising on performance.

To increase functionality even more, the MagRo™ 8-M robotic workstation can be equipped with options such as:

- *Barcode reader 'Tube-ScanX' for scanning barcodes on tubes*
- *Plate shaker 'Plate-ShakeX' for shaking objects with a microplate footprint*
- *Plate stacker*

1 Purification reagents are loaded and distributed from a dedicated reagent block. Available also for different bottle types.

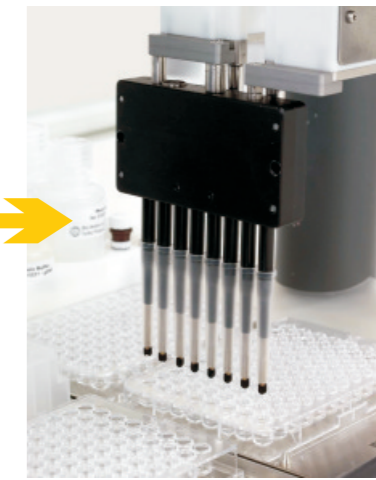
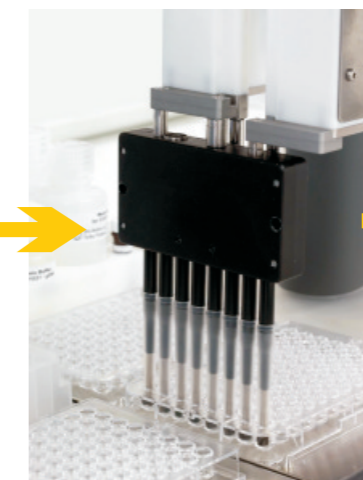
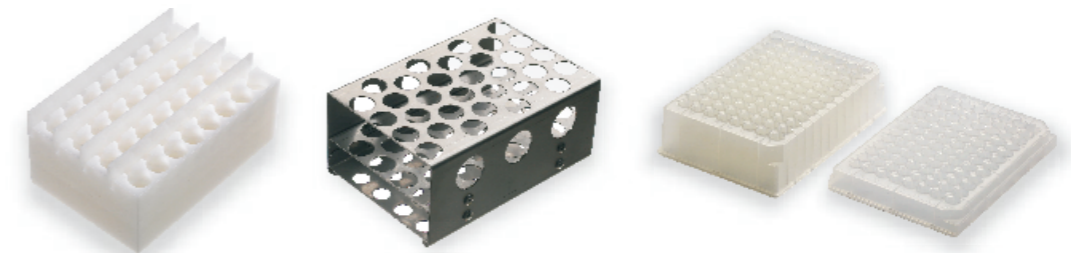


2 Thermoshaker 'Thermo-ShakeX' with heat transfer adapter for applications that need temperatures up to 70° C. The adapter gives even heat distribution also when using round-bottomed or deep-well plates.



Attractive and simple-to-follow software for easy processing setup. Select a protocol, load reagents and consumables as indicated and walk away.

3 Modular concept for great flexibility allows work with different vessel formats - blood tubes, Eppendorf tubes, microplates, deep-well plates.



The PickPen® tool with a proprietary magnet construction collects and resuspends magnetic particles in fast and simple purification protocols. "Move particles – not liquids" through efficient incubation and washing steps to ensure high-quality results.



SPECIFICATIONS

Length (X): 760 mm
Depth (Y): 520 mm
Height (Z): 660 mm
Weight: 35 kg.av.

WORKSTATION WORKING AREA

The working area is optimized for use with items having a microplate footprint and can be fitted with up to 4 deck trays, each with 3 positions.

MAGNETIC PARTICLE PROCESSING

The instrument is provided with an 8 magnet head for magnetic particle processing. The tool contains strong, diametrically magnetized magnets with optimized collection surfaces (*). Magnetic fields isolating tubes enable efficient release of magnetic particles (**). Proprietary elastic PickPen® tips (***) that fit closely around the magnets minimize dead volume for efficient collection while protecting the magnets.

* Patent pending.

** Patent pending.

*** Patented approved.

SHAKER/THERMOSHAKE

The microplate shaker will ensure mixing during incubation. The shaker can optionally have a heating block for heating up to 90 °C. To enhance heat transfer efficiency, the block can be provided with special heat transfer adapters.

PLATEGRIP-X

The PlateGrip-X moves microplates between the shaker and other positions on the deck trays, and to/from optional plate stackers.

LIQUID HANDLING

MagRo™ 8-M is equipped with two microdispensing pumps:

- 250 µl pump: Volume range 2-250 µl, Precision 0.5-4 CV%, Accuracy 1-10% (over range 5-200 µl)
- 1000 µl pump: Volume range 10-1000 µl; Precision 0.5-4 CV%, Accuracy 1-15% (over range 20-1000 µl)
- Pressure-based liquid level detection

Distributed by:

SOFTWARE PLATFORM

Operating System: Windows XP with SP3

Operating Software: Lirix v 2.30 or higher

COMPUTER & COMMUNICATION

Computer embedded in deck: Pentium CPU, at least 256 MB RAM, 80 GB HD

Communication: 2 serial ports RS-232, 2 USB ports, 1 parallel port, LAN (RJ-45)

Monitor: XGA monitor with 1024 x 768 resolution; only supplied with the instrument upon request. USB mouse and USB keyboard required, not supplied.

Communication: High speed CAN bus; max speed of 1 Mbit/sec; 2-6 CAN ports in support stands.

The instrument is in compliance with CE standards (bears the CE mark)

RELATED PRODUCTS AVAILABLE FROM BIO-NOBILE

- PickPen tips (prepacked in box, 96 pcs)
- Liquid dispensing tips (Rainin) 250 µl / 1000 µl
- Standard 96-well plates (NUNC)
- Deep-well plates (NUNC)
- MagRo 96 High Throughput Magnetic Particle Workstation

ALSO AVAILABLE

- QuickPick™ kits for nucleic acid purification
- QuickPick™ kits for protein purification (IMAC)
- Various Magnetic Particle Reagents

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



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