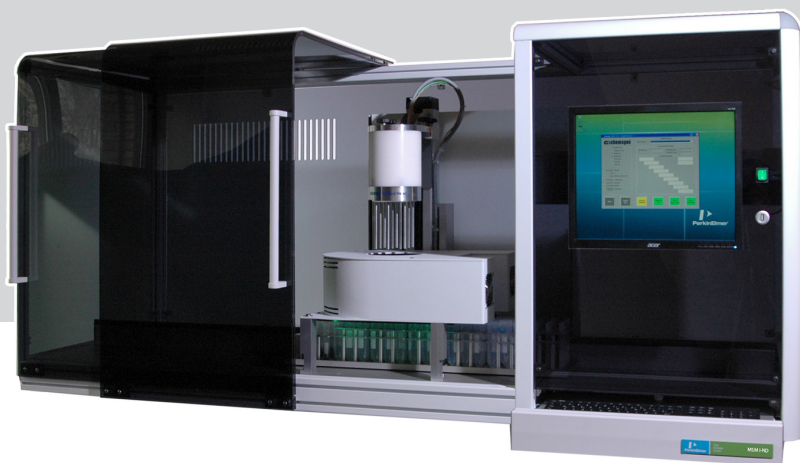


chemagic MSM I
 Dimensions: 2000 x 740 x 800 mm (L/W/H)
 Available with three different rod heads



chemagic MSM I

Key Features:

- Sample volumes from 10 µl - 10 ml
- High throughput
- Huge kit portfolio
- No cross contamination
- Various sample materials in one run
- Integrates with liquid handling platforms

Benefits of the new design concept




- **Faster**
Saving your valuable time with faster speed on all axes and new encoder controlled motors
- **More reliable**
Higher level of controllability by improved I/O controllers and control of rotation speed
- **New design**
User friendly new design concept by new housing and an integrated display, PC and keyboard solution

High throughput Nucleic Acid Isolation

Based on PerkinElmer patented magnetic bead technology the chemagic Magnetic Separation Module I (chemagic MSM I) is an ideal solution for isolating nucleic acid from a huge variety of sample materials. The instrument is used with a chemagic Rod Head chosen to support your throughput and sample volume requirements. chemagic Rod Heads are available for medium or high throughput DNA/RNA isolation using sample volumes from 10 µl - 10 ml. To meet automation needs, the system can be extended

with chemagic QA Software and the chemagic Dispenser. These allow LIMS-compatible bar code reading/sample tracking and automated buffer filling for all volume applications. Due to its modular set up, the chemagic MSM I can be integrated with standard liquid handling units. It represents the ideal solution in a huge variety of research market segments including, but not limited to, Biobanking/Human Genetics, HLA Typing, Virus and Bacteria Detection.

The latest version of the chemagic MSM I represents a further development to bring yet more reliability and user friendliness to an instrument already well known for its excellent performance and robustness. Its new design benefits from more than 10 years' experience with the previous well-received version of the chemagic MSM I.

| chemagic Rod Head | No. of Samples | Samples Volumes | Tubes/Plates | Processing Time |
|-------------------|--|-----------------|--|----------------------------------|
| 12 |  1 - 12 | 1 ml - 10 ml | 15 ml or 50 ml tubes | e.g. for 5 ml blood ~ 55 min |
| 24 |  1 - 24 | 200 µl - 4 ml | 24 single tubes, 24 well plates or 24 well plates XL | e.g. for 2 ml blood ~ 55 min |
| 96 |  1 - 96 | 10 µl - 400 µl | 96 single tubes or 96 well plates | e.g. for 10 µl blood ~ 15 min |

Ordering Information

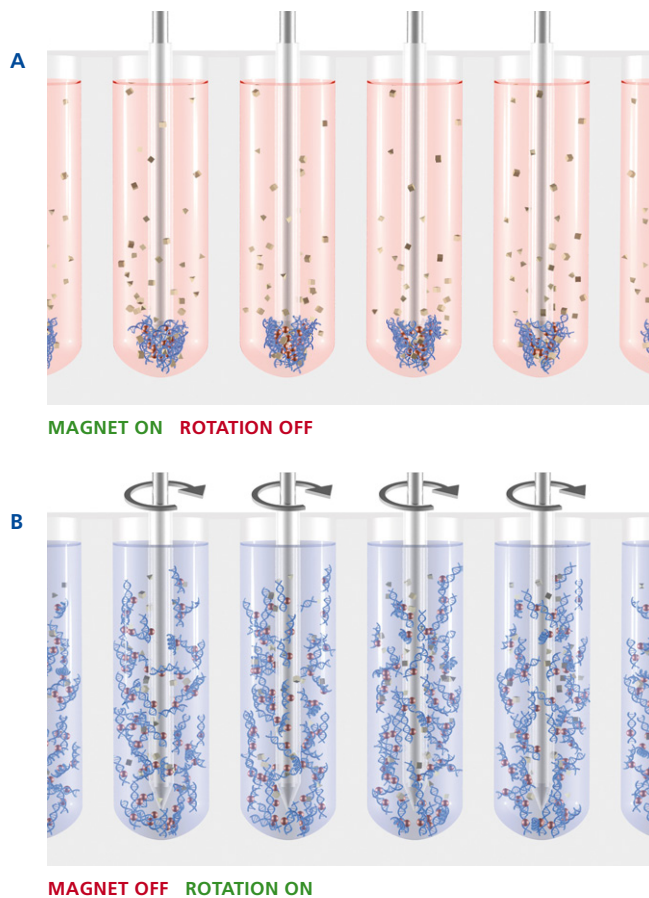
| Product Number | Product Name |
|----------------|----------------------|
| CMG-533 | chemagic MSM I |
| CMG-534 | chemagic 12 Rod Head |
| CMG-535 | chemagic 24 Rod Head |
| CMG-536 | chemagic 96 Rod Head |

| Product Number | Product Name |
|----------------|-----------------------|
| CMG-537 | chemagic Dispenser 12 |
| CMG-538 | chemagic Dispenser 24 |
| CMG-539 | chemagic Dispenser 96 |
| CMG-522 | chemagic QA Software |

Magnetic Separation

The **magnetic separation** is based on the use of metal rods that are lowered into a process solution **(A)**. To collect beads from the solution, the rods are magnetized. Pellets form at the tips of the rods, and the rods are withdrawn from the solution with the pelleted beads attached.

Resuspension into the next process solution, for example, wash or elution buffer, is achieved by switching off the magnetism while rotating the rods **(B)**. This normally difficult step is thus performed quickly and thoroughly, resulting in isolation products with high yields and purities.



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