

ML239

HiPurA® Mag Beads for Clean-up

Product Name	Product Code	Kit Packing
HiPurA® Mag Beads for Clean-up	ML239-5ML	5mL
	ML239-60ML	60mL

Description

The HiPurA® Mag Beads for Clean-up utilizes SPRI (Solid-Phase Reversible Immobilization) paramagnetic bead technology for high-throughput purification of PCR amplicons. HiPurA® Mag Beads for Clean-up is compatible with all DNA/RNA library construction protocols.

Storage conditions

Upon receipt, store the The HiPurA® Mag Beads for Clean-up at 2-8°C. When stored properly, the product is stable for 1 year.

Applications

For high-throughput PCR product purification.

General Notes

- The magnetic beads must be balanced at room temperature for at least 30 min, please vortex oscillation or fully reverse before use to ensure uniform mixing.
- When washing the sample with 80% ethanol, keep the sample tube on the magnetic frame and do not stir the magnetic beads. A dry time is optional to ensure all traces of ethanol are removed. do not over dry the bead ring (bead ring appears cracked if over dried) as this will significantly decrease elution efficiency.
- It is recommended to use a magnetic frame with strong magnetic force in the operation and avoid stirring magnetic beads in the last step.

Procedure for DNA Sorting

1. Take out the magnetic bead solution from 2 ~ 8°C 30 min in advance and balance to room temperature.
2. Vortex oscillation or reverse is used to fully mix the magnetic bead solution, suck a certain volume of magnetic bead solution (depending on the sample situation, refer to the reference conditions for DNA purification), add it to the DNA sample, and suck it repeatedly for 10 times with a pipette to fully mix it.
3. Incubate at room temperature for 10 min to bind DNA to magnetic beads.

4. Place the sample on a magnetic frame and carefully remove the supernatant after the solution is clarified (about 5 min).
5. Keep the sample always on the magnetic frame and add 200 μ l rinse the magnetic beads with freshly prepared 80% ethanol, incubate at room temperature for 30 sec, and carefully remove the supernatant.
6. Repeat step 5 once and rinse twice in total.
7. Keep the sample on the magnetic frame all the time, open the cover and dry the magnetic beads at room temperature for about 5 - 10 min.
8. Take out the sample from the magnetic frame, add an appropriate amount of Nuclease-free ddH₂O, vortex oscillation or blow with a pipette, and stand at room temperature for 2 min. Then place the reaction tube on the magnetic frame for 5 min to separate beads from the solution. Transfer supernatant to a new nuclease free centrifuge tube after sample is transparent.

Table 1. Reference conditions for DNA purification

Fragment size range after purification	Reference purified magnetic bead dosage (magnetic bead volume dosage: sample volume)
≥1 kb	0.5 X
≥400 bp	1.0 X
≥300 bp	1.2 X
≥200 bp	1.5 X
≥200 bp	2.2 X - 3.0 X




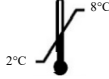




Quality Control:

Each lot of HiPurA® Mag Beads for Clean-up is functionally tested for performance in semi-qPCR.

Technical Assistance

At HiMedia, we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at mb@himedialabs.com.

Symbols

	Manufacturer		Do not use if package is damaged
	Batch code		Temperature limit
	Date of manufacture (YYYY-MM)		Consult instructions for use
	Use-by date (YYYY-MM)		Catalogue number

Identification No.: PIML239

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Disclaimer :

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