MAGneat PCR Clean Up

P. Code	Reactions	Volume	Component	Description	Lot Number	Expiry
2MN-PCR	278	5 ml	Paramagnetic beads	Paramagnetic beads for Post PCR DNA clean up and size selection.	C34192	2025-04

Application:

Efficient and complete removal of contaminants such as unincorporated dNTPs, salts and enzymes

- Allows success in downstream applications such as next generation and Sanger sequencing
- Fast amplicon recovery eliminates
- No filtration or centrifugation required
- Consistently high recovery and reproducibility of amplicons >100bp
- Manual and automation friendly
- 15 minute processing time (with 96 samples)
- Scalable: tube, 96 and 384 well format

Product Description

MAGneat PCR Clean Up is a paramagnetic bead based DNA clean up system. Designed for the efficient and effective post PCR clean up of DNA amplicons and also size specific selection.

Post clean up the DNA amplicons are ready for downstream applications.

The simple method allows for rapid processing and when coupled with MAGneat Separators will provide consistent PCR clean up of dsDNA amplicons. The beads can effectively be used for consistent size selection required for Next Generation Sequencing.

Key Features:

- Simple to use
- Fast procedure for tubes, PCR plates, PCR strips etc.
- Reliable, consistent, robust

Protocol

Before use place MAGneat PCR beads at room temperature for 30 minutes.

1. Mix the MAGneat beads thoroughly to fully resuspend magnetic beads.
2. Transfer PCR reaction to a suitable tube or plate.
3. Add MAGneat beads to post PCR reaction at 1.8X the volume of the PCR reaction, pipette up and down 6-8 times to mix. For example for a 20 µL PCR reaction add 36 µL of MAGneat PCR Clean up beads.
4. Incubate at room temperature for 5 minutes.
5. Place on to magnetic separator device for 3 minutes or until the solution clears.
6. With the sample on the magnetic separator remove supernatant by pipetting, be careful not to disturb beads.
7. With the sample on the magnetic separator, add 200 µL 80% ethanol to wash the beads.
8. With the sample still on the separator, remove the supernatant by pipetting.
9. Repeat steps 7 and 8 for a total of **2** washes.
10. Air-dry the beads by incubating for 10-15 minutes at room temperature with the sample still on the magnetic separator.
11. Remove the sample from the magnetic separator and add 40 µL of elution buffer (Just water, Tris HCl pH 8.0 or TE buffer) and pipette up and down 5 times to mix. Note: Prewarming the elution buff er to 55°C can increase the yield.
12. Incubate at room temperature for 2 minutes.
13. Place on to magnetic separator device for 3 minutes or until the solution clears.
14. Once clear transfer the supernatant to a new tube for storage or downstream applications.

For research use only

Product Handling

Storage

To ensure the quality of the product until the expiry date keep at the recommended storage temperature and limit exposure to light.

Contamination Control

To prevent erroneous results ensure work environment is free of contamination by cleaning your workstation and equipment with a DNA decontaminant daily, wear gloves, use sterile tubes and filter pipet tips.

Simple | Effective | Efficient

Version 2.02

Manufactured by Clent Life Science Ltd, Suite 3 Faraday House, King William Street, Stourbridge, United Kingdom, DY8 4HD

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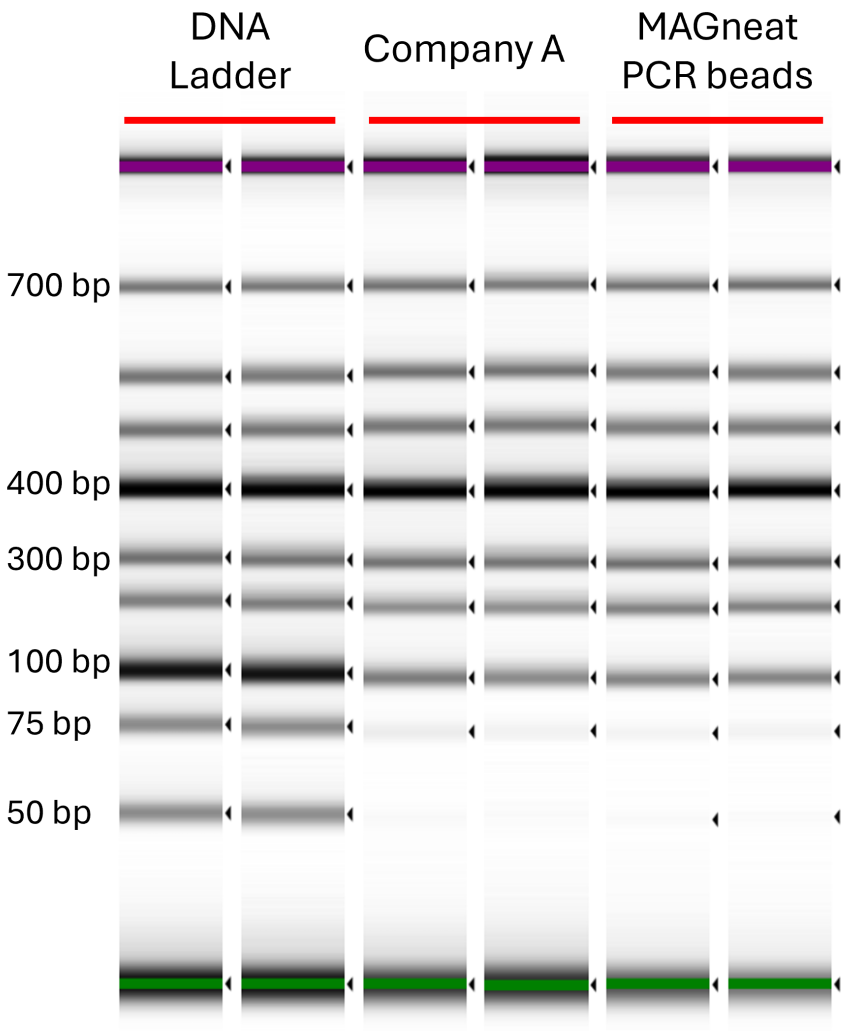

Figure 1. High recovery of DNA fragments after clean up with MAGneat PCR beads. Image shows excellent yield recovery of DNA fragments above 100 bp when samples were cleaned with MAGneat PCR beads and analysed on an Agilent Tapestation2200.

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