

DNA Methylation Magnetic Beads

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Storage 2-8°C. Do not freeze.

Introduction:

1. DNA Methylation Magnetic Beads are magnetic solid-phase carriers specifically designed for DNA methylation processing workflows. Utilizing a specialized manufacturing process, these beads exhibit high specificity, large surface area, and strong magnetic properties, combined with exceptional hydrophilicity and nucleic acid capture capacity.
2. This product demonstrates excellent extraction efficiency for bisulfite-treated DNA (e.g., via sodium bisulfite conversion) and is compatible with automated liquid-phase nucleic acid extraction platforms. It is widely used in life science research and applications involving epigenetic studies.

Key Features:

1. Excellent handling performance.
2. High specificity for bisulfite-converted DNA.
3. Superior reproducibility.

Usage method:

1. Add an appropriate volume of magnetic beads and binding buffer to bisulfite-treated DNA samples.
2. Incubate to allow nucleic acid binding.
3. Separate bead-bound nucleic acids from unbound materials using magnetic separation.
4. Wash beads with wash buffer to remove impurities; retain beads using a magnet.
5. Elute nucleic acids with elution buffer; separate beads from the final product magnetically.

Matters needing attention:

1. Avoid freezing, drying, or centrifugation – these may cause bead aggregation and affect resuspension.
2. Vortex thoroughly before use to ensure a homogeneous suspension.
3. Storage: Stable for 2 years at 2–8°C. Slight color variations under normal storage conditions do not affect performance.