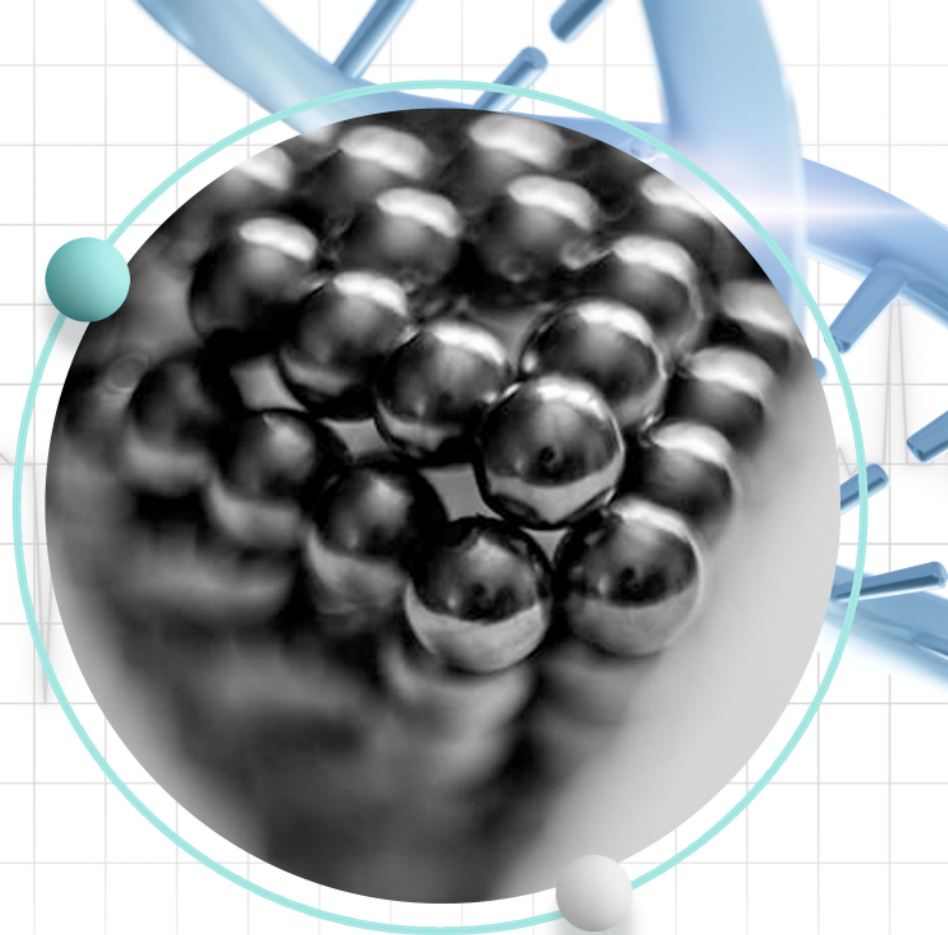


NEST[®]

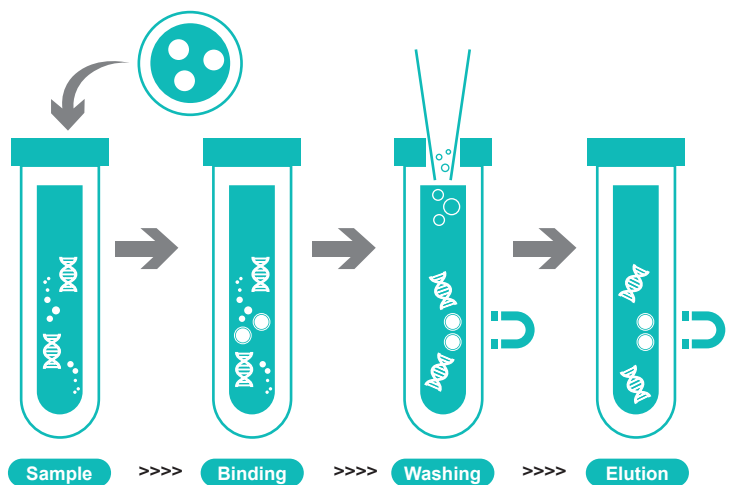
MOH Series Magnetic Beads



NEST MOH Series Magnetic Beads are designed for nucleic acid extraction and purification with excellent suspension property, redispersibility and rapid magnetic response. Owing to its strong compatibility, they can perfectly match with different manufacturers' nucleic acid extraction reagents and automated instruments (e.g. KingFisher Flex, Beckman Biomek FX, TechStar YC796).

Working Principle

NEST MOH Series Magnetic Beads have a superparamagnetic Fe_3O_4 core clad with a SiO_2 layer which has been through the specific adsorption treatment. By controlling the size of microspheres, the thickness of SiO_2 layer, the type of silicon hydroxyl groups ($-\text{SiOH}$) and the density of silicon hydroxyl groups, the microspheres can be endowed with the property of nucleic acid concentration in preparation for the subsequent extraction and purification researches if proper procedures determined according to the target nucleic acid.



Features

- High nucleic acid binding capacity, >30 μg DNA/mg
- Evenly dispersed beads with superparamagnetism, allowing for magnetic response time <20s
- Properties of quality stability, uniformity among batches, and excellent bead resuspension
- Unique manufacturing technology and automatic production technique ensure high quality and high productivity.
- Storage conditions: 12 months at room temperature / over 24 months at 2-8 $^{\circ}\text{C}$

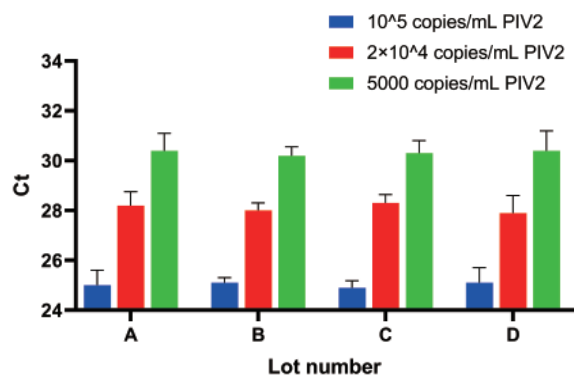
Application

- Extraction and purification of genomic DNA from animal tissues, plants, bacteria, plasmids, small or trace amounts of blood
- Isolation and purification of short DNA/RNA fragments
- Viral nucleic acid extraction
- PCR product purification
- Magnetic protein purification

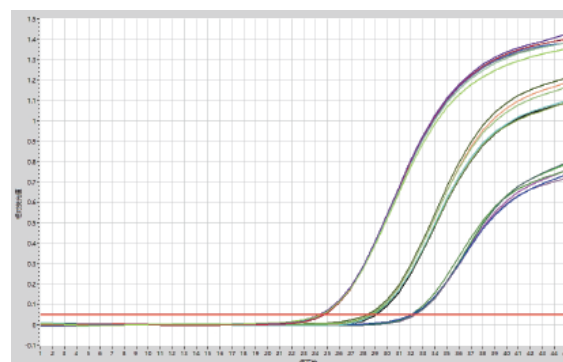
Product Parameter

Cat. No.	Name	Particle size	Surface functional group	Magnetic microsphere concentration	Recommended use amount	Packing
208191	MOH100 Series Magnetic Beads	50-200nm	Silanol	60mg/mL	1~1.2mg/sample	500mL/Bottle 4 Bottles /Case

Applications



RT-qPCR outcomes of 4 batches of MOH100 Magnetic Beads extracting PIV2 virus samples by gradient dilution



RT-qPCR amplification curve of MOH100 Magnetic Beads extracting PIV2 virus samples by gradient dilution

⚠️ Precautions

- Repeatedly resuspend and evenly mix the magnetic beads before use
- Don't repeatedly freeze and thaw the beads. Keep them above 0°C
- Nucleic acid binding capacity is closely related to the extraction reagent buffers

