



## Ribo NGS Bead

**Product Number: NGB-DN**

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### Product Description

NGS Bead Is a DNA purification kit developed based on magnetic microspheres. The product can be replaced with Agencourt AMPure XP and RNAClean XP 1:1, compatible with operation process, and good consistency of detection results. It is an efficient choice for NGS library purification and fragment screening. NGS Bead Is highly flexible to adjust the volume ratio to the left, right or two directions by adjusting the volume ratio of the sample and magnetic beads.

NGS Bead The operation is easy, and the 3-step process to remove salts, primers, primers and dNTP from the sample; DNA / RNA fragments are selectively bound to magnetic microspheres according to their size; eluted from magnetic microspheres with water or low salt buffer, which can be used directly used for downstream applications. The product is suitable for a variety of liquid workstations and operating processes, such as Hamilton, Beckman, Agilent, Caliper, Perkin Elmer, Tecan and Eppendorf, and can be used for manual operation.

Microsphere particle dispersion, uniform surface groups and good suspension..

### Description of Materials

1. Material: Fe<sub>3</sub>O<sub>4</sub>
2. Density: 1.05-3.38g/cm<sup>3</sup>
3. Dispersion medium: pure water
4. Microparticle refractive index: NA
5. Additives: Trace surfactants

### Storage and Stability

Store at 2-8°C, do not freeze.

### Recommended application

DNA purification and fragmentation screening NGS and Sanger sequencing PCR, and RT-PCR Microarray restriction endonuclease clearance molecular clones DNA purification and RNA purification were applicable

### Characteristic

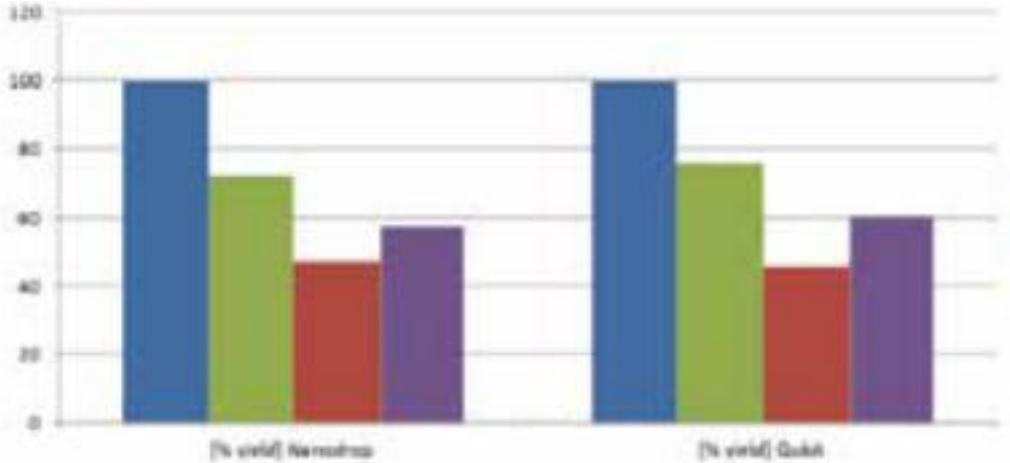
High amplification product recovery; manual operation, automatic workstation operation

Combined with special reagents, it can effectively remove dNTP, primers, primers dimers, salt ions and other impurities

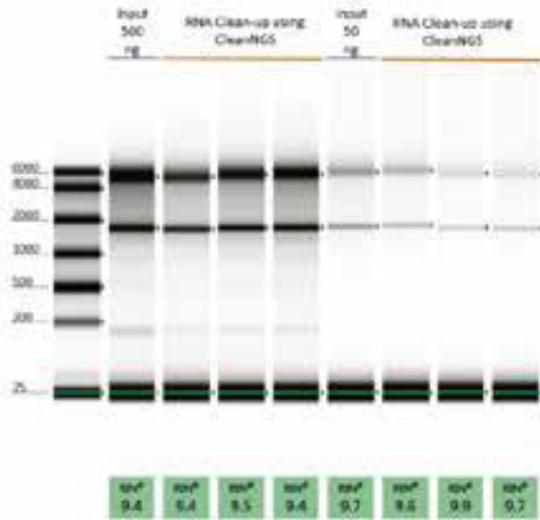
### Application selection

Art.No.	specifications	Modify the group	solid content
NGB-DN-5ML	5ml	COOH	1.0%
NGB-DN-50ML	50ml		
NGB-DN-500ML	500ml		

The DNA / RNA purification results are presented



Nucleic acids were purified by NGS Bead and competitor A, Z, and the purified nucleic acids were analyzed by Nanodrop, Qubit, The results showed that all three products could be purified from nucleic acid, and NGS Bead obtained more nucleic acid fragments compared with competing products A and Z.



Total RNA Purification