



sbeadex SAB

The introduction of next generation sequencing (NGS) technologies has transformed the way scientists think about genetic information. It allows researchers to sequence and analyse thousands to tens of thousands of samples (from a broad range of sample types like blood, plant, animal or bacteria), in a single year.

In principle, the next generation sequencing workflow can be divided into:

- a) Sample preparation
- b) Fragmentation
- c) Library preparation
- d) Sequencing
- e) Data analysis (bioinformatics)

sbeadex sequencing applications beads (SAB) presents the new generation of size selection and clean-up beads. These beads play an important role in the purification of DNA, size selection, library preparation, clean-up steps and PCR amplification processes in NGS workflows. sbeadex SAB provides excellent performance in terms of distinct size selection (200-700 bp), DNA quantity, DNA quality, time per run and clean-up steps. This kit is intended For Research Use Only. It is not intended for diagnostic procedures.

Key benefits:

- Highest performance in size selection (200-700 bp)
- Efficient clean-up in amplification processes (removal of salts, primers, adapters)
- Proprietary sbeadex beads (double coated)
- Flexibility in bulks sizes and protocol steps
- Best performance in comparison to common alternatives
- Cost-effective and available in bulk with volume discounts

For Research Use Only. Not for use in diagnostic procedures.

BIOSEARCH™
TECHNOLOGIES
 GENOMIC ANALYSIS BY LGC



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sbeadex SAB are superparamagnetic, double coated and a technical and scientific alternative to common size selection systems. Using different PEG concentrations, the particles allow the capture of nucleic acids of defined sizes on the surface. sbeadex SAB can be used in 96-formats on instruments like the KingFisher™ magnetic particle processor and allows individual, project-specific protocol optimisations.

Advantages:

- High quality size selection and clean-up protocols
- Automation friendly - follows same protocol as established competitors
- Convenient - all buffers ready to use
- Applicable for Illumina platforms

Ordering information

| Cat no. | Volume of sbeadex SAB chemistry | Number of preparations per kit* |
|-----------------|---------------------------------|---------------------------------|
| NAP45001 | 5 mL | 133 |
| NAP45002 | 20 mL | 533 |
| NAP45003 | 100 mL | 2,666 |
| NAP45004 | 450 mL | 12,000 |

*The number of preparations is based on standard protocol of LGC, Biosearch Technologies™ that assumes 50 µL starting volume of DNA, and a dual sided size selection protocol (700 bp and 200 bp) being performed. For Research Use Only. Not for use in diagnostic procedures.

To generate high yield, purity and quality DNA for NGS, we recommend using sbeadex kits for DNA extraction and purification.



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**Integrated tools.
 Accelerated science.**

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