
# sbeadex blood kits

## Purification kit solutions for blood DNA preparations

Blood samples can vary considerably in quality, and this can lead to wide variations in the consistency and yield of extracted DNA. Molecular testing protocols, including genotyping and next generation sequencing applications require reliable and high quality sample preparations; sbeadex® blood kits* meet these requirements.

**sbeadex kits for blood samples**

LGC, Biosearch Technologies is an international supplier of DNA purification kits, and is primarily focused on automated, high-throughput DNA purifications. The sbeadex blood kit portfolio offers products for all scales of nucleic acid purification from human blood, starting with 200 µL of whole blood or a buffy coat preparation. The sbeadex blood kit chemistry is compatible with EDTA, heparin and citrate anticoagulants and buffy coat preparations.
For inquiries about custom DNA purification kits, please contact LGC for further information.

## The sbeadex blood kit solution

- High quality DNA preparations for down-stream molecular biology applications
- Compatible with EDTA, heparin and citrate anticoagulants, and buffy coat preparations
- Water-based wash buffers reduce solvent carryover, resulting in absence of PCR inhibitors in final eluate
- Quicker results - speed of purification can be optimised
- Highly flexible batch sizes (standard kit sizes 96, 960 and 5,000 purifications)
- Results in the generation of both high quantity and high quality DNA

*For research use only. Not for use in diagnostic procedures.

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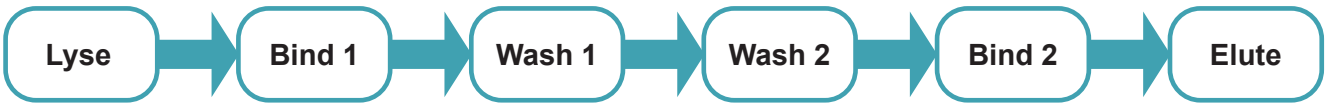
## DNA preparation protocol

The sbeadex blood kits use magnetic separation for the purification of nucleic acids. Superparamagnetic particles coated with sbeadex surface chemistry use a novel two-step binding mechanism which, when combined with the washing steps, removes impurities from the blood preparation. After washing, the nucleic acid is eluted from the magnetic particles and is ready for use in a wide range of downstream processes.




## Application areas

Standard protocols are available for the following instruments/applications. Alternatively, Biosearch Technologies can develop custom solutions for any laboratory setup. Contact our technical specialists for more information.

- 100 µL sbeadex blood protocol on the ThermoFisher™ KingFisher™ magnetic particle processor
- 200 µL sbeadex blood protocol on the KingFisher magnetic particle processor.

## Advantages

- **Efficient** – purification of high molecular weight DNA from whole blood and buffy coat preparations
- **High quality** – consistent $OD_{260/OD280}$ ≥ 1.8 ratio and an average $OD_{260/OD230}$ 1.9 ratio
- **Easy to automate** – magnetic microparticle handling offers flexibility in automated processing
- **Manual protocols available**
- **Convenient** – all buffers supplied are ready to use
- **Delivery time** – within 4 days (depending on location)
- **Absence of PCR inhibitors** – no organic solvents or chaotropic salts in final wash buffers.

## Ordering information

| Cat no. | Geographical region | Number of purifications per kit |
|---|---|---|
| NAP44401 | RoW (excl. APAC) | 96 |
| NAP44404 | APAC | 96 |
| NAP44410 | RoW (excl. APAC) | 960 |
| NAP44440 | APAC | 960 |
| NAP44100 | RoW (excl. APAC) | 5,000 |
| NAP44400 | APAC | 5,000 |

Catalogue numbers for sbeadex blood kits. RoW = Rest of the world; APAC = Asia-Pacific. For research use only. Not for use in diagnostic procedures.

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