

# sbeadex livestock kit

## One DNA purification kit for all livestock sample types

Livestock samples for genetic analysis are often very heterogeneous and complex. Ear punch, blood, hair, saliva and swabs, semen are all commonly used for DNA purification and analysis of a huge diversity of animal species.

### sbeadex™ livestock kit

LGC, Biosearch Technologies™ is an international supplier of both off-the-shelf and tailor-made kit systems primarily for automated high-throughput DNA purifications.

The sbeadex livestock kit has been developed to use just one kit for all livestock samples, independent of sample type or animal species.

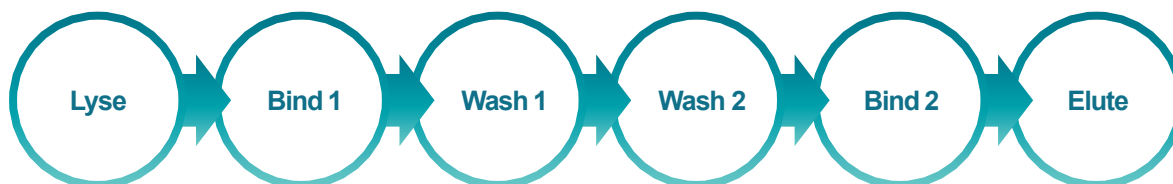
The sbeadex livestock kit solution:

- One kit for all livestock samples
- Ear punch, blood, hair, semen plus others
- Tailor-made solutions for specific requirements available
- High DNA quality and quantity
- Applicable for all down-stream applications like Illumina and Affymetrix genotyping, NGS and PCR technologies
- Highly flexible batch sizes
- Compatible with most popular robotic platforms.



## DNA preparation protocol

sbeadex kits use magnetic separation for the purification of nucleic acids. Super-paramagnetic particles coated with the sbeadex surface chemistry are used to capture nucleic acids from a sample using a novel two-step binding mechanism. A series of washing steps, including a final wash of pure water, removes any impurities present in the sample matrix leaving a high purity nucleic acid sample for elution ready for your downstream process.



### Application areas

Purification protocols have been created for livestock material from many different animal species including bovine, chicken and sheep. Biosearch Technologies also offers pilot studies for non-standard sample materials to provide you with the best performing purification protocol.

Sample type	Animal species
Blood	Bovine
Tissue	Chicken
Hair	Pig
Semen	Goat
Saliva	Sheep
Ear punch	Dog
	Horse
	Fish

### Advantages

- High quality purification – consistent A260/280 ratio and improved A260/230 ratio
- Easy to automate – magnetic microparticle handling offers flexibility in automated processing
- Convenient – all buffers supplied are ready to use
- Absence of PCR inhibitors – no organic solvents or chaotrophic salts in final wash buffers.

### Ordering information

Cat no.	Size	Number of tests
NAP44701	sbeadex livestock kit	96
NAP44702	sbeadex livestock kit	960
NAP44703	sbeadex livestock bulk kit	5,000

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