



sbeadex livestock

One protocol for extracting DNA from all livestock samples

Livestock samples for genetic analysis are often very heterogeneous and complex. Blood, hair, semen, ear punches, saliva and swabs are all commonly used for DNA extraction and analysis of a huge diversity of animal species.

sbeadex livestock kit

LGC is an international supplier of both off-the-shelf and tailor-made kit systems primarily for automated high-throughput DNA extractions. The sbeadex™ livestock kit has been developed to use just one protocol for all livestock samples, independent of sample type, animal species or robotic platform.

The sbeadex livestock kit solution:

- One protocol 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
- 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

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

Sample type
Blood
Tissue
Hair
Semen
Saliva
Ear punch

Animal species
Bovine
Chicken
Pig
Goat
Sheep
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 chaotropic salts in final wash buffers.

Ordering information

All kit components are available to purchase individually. Please also inquire for other formats and larger, bulk sizes.

Cat no.	Kit	Number of tests
NAP44701	sbeadex livestock kit	96
NAP44702	sbeadex livestock kit	960
NAP44703	sbeadex livestock bulk kit	5.000

For technical support please contact:

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