

sbeadex® kits

sbeadex® kits use surface modified superparamagnetic particles which bind nucleic acids via a novel two-step binding mechanism. Nucleic acids affx to the sbeadex® surface chemistry via polar interactions during the frst binding step and via an affinity-driven mediator during the second binding step.

The sbeadex® two-step binding mechanism means that higher purity nucleic acids can be extracted from sample material as the switch between binding mechanisms allows more impurities to be removed during the extraction process.

- High purity
- No organic solvents in fnal wash buffer
- Buffers supplied ready-to-use
- No salts in eluates (high OD₂₆₀ / OD₂₃₀)

sbeadex® kits can be used on liquid handling systems equipped with a static magnet or active magnetic particle manipulator e.g. sep™ boxes.

Kit	Application areas	Amount of starting material	Max. binding capacity	Catalogue number
sbeadex® plasmid	Bacterial culture	1 ml	10 µg	41301 - 96 tests 41310 - 960 tests
sbeadex® blood	Whole blood	200 µl	10 µg	41403 - 96 tests 41430 - 960 tests
sbeadex® tissue	Tissue and cell material	20 mg	15 µg	41405 - 96 tests 41450 - 960 tests
sbeadex® forensic	Forensic material	120 µl (lysate)	2 µg	41501 - 96 tests 41510 - 960 tests
sbeadex® mini plant	Plant leaves and seeds	20-30 mg	2 µg	41601 - 96 tests 41610 - 960 tests
sbeadex® maxi plant		80-100 mg	10 µg	41602 - 96 tests 41620 - 960 tests



mag kits

mag™ kits use surface modified superparamagnetic particles which bind nucleic acids via a classic polarity-based binding mechanism.

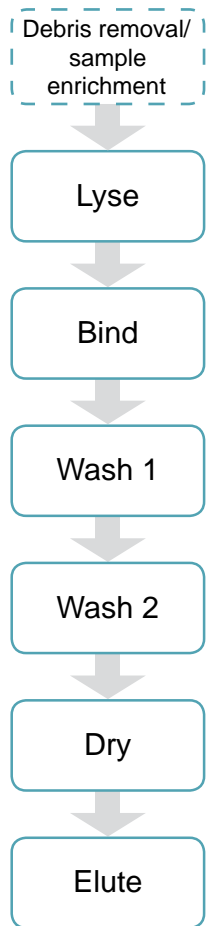
mag kits have been available since 1999 and were one of the frst magnetic separation nucleic acid extraction products on the market. The mag chemistry was developed as an easy, fast and cost-effective solution for scientists wanting high quality nucleic acids and consistent yields.

The mag kit portfolio includes kits for all scales of extraction from 10 µl to 2 ml of starting material. An enrichment step prior to lysis can be used if extraction is required from volumes larger than 300 µl.

- OD₂₆₀ / OD₂₈₀ 1.8
- High yields
- Co-extraction of DNA and RNA
- Flexible lysis

mag kits can be used on liquid handling systems equipped with a static magnet or active magnetic particle manipulator e.g. sep™ boxes.

Kit	Application areas	Amount of starting material	Max. binding capacity	Catalogue number
mag mini	Blood and other cell material	10 µl	1.5 µg	40401 - 96 tests 40410 - 960 tests
mag midi	Blood and other cell material	50 µl	2.5 µg	40402 - 96 tests 40420 - 960 tests
mag maxi	Whole blood	200 µl	10 µg	40430 - 288 tests
mag maxi PLUS	Whole blood	2 ml	30 µg	40440 - 288 tests
mag forensic	Forensic material	50 µl (lysate)	1.5 µg	40501 - 96 tests 40510 - 960 tests
mag plant	Plant leaves and seeds	~20 mg (45 µl lysate)	1.5 µg	40601 - 96 tests 40610 - 960 tests
mag nanogram	Swabs and forensic material	50 µl (lysate)	0.025 µg	40701 - 96 tests 40710 - 960 tests



sep boxes

sep™ boxes are software-driven devices for manipulating magnetic microparticles. sep boxes have been optimised for use with all sbeadex® and mag nucleic acid extraction kits.

Three sep box models are available to provide solutions for differing sample working volumes and sample throughputs. sep boxes use standard commercially available laboratory consumables (tubes, tubes strips, non-skirted or semi-skirted 96-well PCR plates) negating the need to purchase custom consumables.

Model	Maximum working volume	Tube size	Maximum number of samples	Catalogue number
sep 96 x 0.2	180 µl	200 µl	96	45300
sep 72 x 1.4	1.0 ml	1.4 ml	72	45400
sep 24 x 5.0	4.0 ml	5.0 ml	24	45500

LGC Genomics
also offers
Nucleic acid extraction services

Please check our webpage
www.lgcgenomics.com
for further information



LGC Genomics GmbH • Ostendstrasse 25 • 12459 Berlin • Germany
Tel: +49 (0)30 5304 2250 • Email: extraction@lgcgenomics.com
www.lgcgenomics.com

LGC Genomics • Queens Road • Teddington • Middlesex TW11 0LY • UK
Tel: +44 (0)20 8943 7000 • www.lgcgenomics.com