

DNA purification, genomic, FastDNA® SPIN kit



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The FastDNA® SPIN kit quickly and efficiently isolates genomic DNA from a wide variety of sources. Eluted DNA is ready for digestion, electrophoresis, PCR* and any other desired application.

Designed for use with the FastPrep® instrument, plant and animal tissues, bacteria, algae, fungi and many other samples are easily lysed within 40s.

Samples are placed into 2.0mL tubes containing Lysing Matrix A, irregularly shaped garnet particles and a single 6.35mm ceramic sphere. While almost all samples are easily processed with this pre-filled combination, additional 6.35mm ceramic spheres are provided for hard samples such as bone, cartilage or seeds. Homogenisation in the FastPrep® instrument with Lysing Matrix A takes place in the presence of sample-specific Cell Lysis Solutions (CLS). For plant tissues, CLS-VF is used in conjunction with a Protein Precipitation Solution (PPS). Yeast, algae and fungi are lysed in the presence of CLS-Y. For all other samples, CLS-TC is used during sample lysis. For maximum flexibility, all buffers are provided in the kit. Following lysis, samples are centrifuged to pellet debris and lysing matrix. DNA is purified from the supernatant with a silica-based GENECLAN® procedure using SPIN filters.

FastDNA® SPIN kit components; Lysing Matrix A 100 2.0mL tubes; 6.35mm ceramic spheres 100 spheres; Binding Matrix 66mL; concentrated SEWS-M 12mL; DES 25mL; CLS-VF 90mL; PPS 25mL.CLS-TC 110mL; CLS-Y 110mL; SPIN Modules 100 each; recovery tubes 100 each; user manual 1 each; MSDS 1 each; Certificate of Analysis 1 each

Catalogue No	Alt. No	Description
MBR-246-008F	6540-600	FastDNA® SPIN kit, 100 preps



DNA isolation kit, genomic, FastDNA®



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For isolation of genomic DNA from plants, animals, bacteria, yeast, algae, and fungi.

The FastDNA® kit is used with the FastPrep® Instrument to lyse and subsequently isolate DNA from up to 200mg of almost any sample in less than 60min.

Four lysing matrix combinations can be generated, and the kit includes 3 different chaotropic buffers for the homogenisation of a wide variety of sample types. The released DNA is purified by a silica based GENECLAN® procedure and is suitable for PCR* analysis and other downstream applications.

Kit components: Lysing matrix A, binding matrix, SEWS-M solution, DES solution, BBS solution, CLS-VF solution, PPS solution, CLS-TC solution, CLS-Y solution.

Catalogue No	Alt. No	Description	Preps per kit
MBR-246-980H	6540-400	FastDNA® kit	100



DNA isolation kit, soil, FastDNA®, SPIN kit



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The FastDNA® SPIN kit for soil is designed for efficient isolation of DNA from soil organisms to assess diversity and soil health.

Efficient isolation of DNA in 30min.

It requires the use of a shaking device, such as the FastPrep® instrument. Soil samples are processed in impact resistant 2mL tubes. The released DNA is purified by a GeneClean® procedure using Spin Filter technology and is suitable for PCR* analysis and downstream applications.

Kit components: Lysing matrix E, PPS solution, binding matrix, SEWS-M solution, DES solution, Sodium phosphate buffer, BBS solution, MT buffer, Spin filters, catch tubes.

Catalogue No	Alt. No	Description	Preps per kit
MBR-246-405S	6560-200	FastDNA® SPIN kit for soil	50

*Polymerase Chain Reaction (PCR) is a process covered by patents owned by Hoffman-La Roche