



The Complete Kit Solution for DNA Extraction of Animal and Plant Tissue

The Spex Genomic DNA Isolation Kits are optimized to work with the Genomax®, Geno/Grinder® and GenoLyte® homogenizers, allowing for fast and seamless isolation of DNA from a wide variety of animal tissues and cells, including mammalian, poultry, fish, and soft and tough plant tissue.

The kit combines the use of chaotropic salts and detergents to disrupt animal tissues or cells permitting the selective binding of DNA to a silica column. Proteinase K and RNase A are then added to implement DNA isolation. An ethanol wash buffer is used to remove any additional elements or contamination from the silica column. The column is dried by centrifugation and DNA is eluted using the elution buffer.



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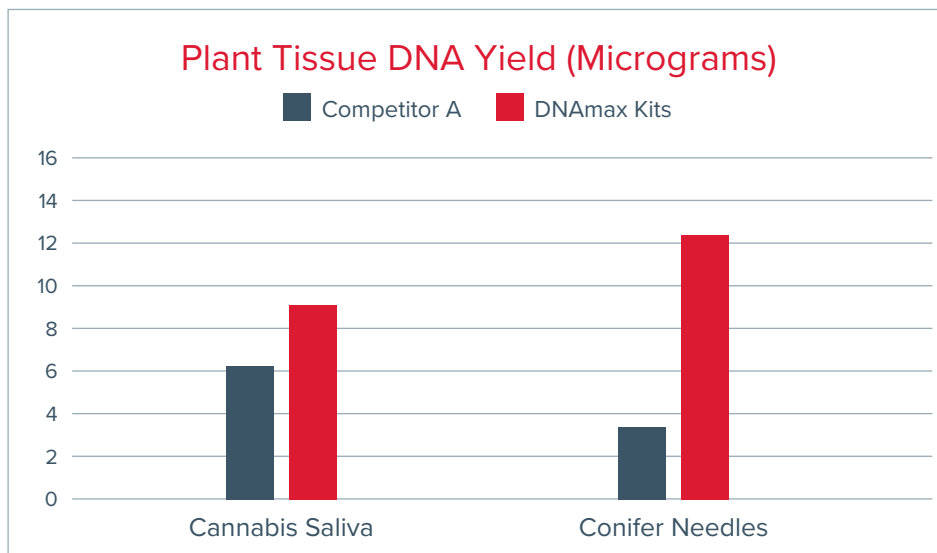
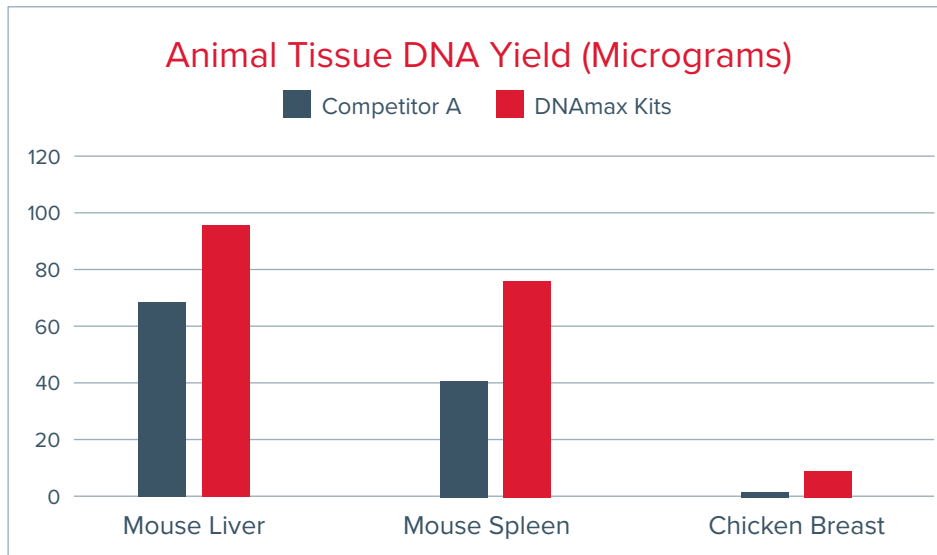


Spex SamplePrep is an Antylia Scientific company. Find out more at antylia.com



DNA Yield

DNA yield from various tissues when using the DNAmix Isolation Kit for animal tissue and plant tissue vs. a leading competitor's kit. All samples were homogenized using the Geno/Grinder.



DNAmix Kits

Specifications

2401M and 2401MS Animal Tissue Kit Contents (for 75 extractions)

Reagents	Lysis Buffer, Wash Buffer, Elution Buffer, Proteinase K Powder, RNase A (stabilization buffer included with 2401MS)
DNA Binding Columns and Collection Tubes	Silica-based columns capture DNA and allow for its purification
Stainless Steel Balls	3 mm 440C stainless steel balls used to disassociate animal tissue
Homogenization Tubes	Reinforced tubes designed for homogenization through rapid bead beating (used in conjunction with stainless steel balls)
Protocol	Protocol and workflow optimized for Genomax, Geno/Grinder and GenoLyte

2402P and 2402PT Plant Tissue Kit Contents (for 75 extractions)

Reagents	Lysis Buffer, Binding Buffer B1, Wash Buffer PW1, Wash Buffer PW2, Elution Buffer, Proteinase K Powder, RNase A
DNA Binding Columns and Collection Tubes	Silica-based columns capture DNA and allow for its purification
Stainless Steel Balls	Soft plant tissue (2402P): five 3 mm 440C stainless steel balls Tough plant tissue (2402PT): one 6 mm 440C stainless steel ball
Homogenization Tubes	Reinforced tubes designed for homogenization through rapid bead beating Soft plant tissue (2402P): pre-loaded with five 3 mm 440C stainless steel balls Tough plant tissue (2402PT): pre-loaded with one 6 mm 440C stainless steel ball
Protocol	Protocol and workflow optimized for Genomax, Geno/Grinder and GenoLyte

DNAmax Kit Ordering Information

DNA Isolation Kits

Product Name	Part Number
DNA Isolation Kit for Animal Tissue, 75 reactions	2401M
DNA Isolation Kit for Animal Tissue with Stabilization Buffer, 75 reactions	2401MS
DNA Isolation Kit for Soft Plant Tissue, 75 reactions	2402P
DNA Isolation Kit for Tough Plant Tissue, 75 reactions	2402PT

DNAmax Sample Kit Ordering Information

Try before you buy. **Free** sample kits for animal and plant tissue are available.

DNA Isolation Sample Kits

Product Name	Part Number
DNA Isolation Sample Kit for Animal Tissue, 6 reactions	2401M-SAMP
DNA Isolation Sample Kit for Animal Tissue with Stabilization Buffer, 6 reactions	2401MS-SAMP
DNA Isolation Sample Kit for Soft Plant Tissue, 6 reactions	2402P-SAMP
DNA Isolation Sample Kit for Tough Plant Tissue, 6 reactions	2402PT-SAMP

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