Biospin Omni Genomic DNA Extraction Kit

Product Introduction

This kit uses a unique genomic DNA buffer system with specific DNA binding spin column, which can be used for high purity DNA extraction of blood, bacteria (including Gram-negative and Gram-positive bacteria), cells, animal tissue, dried blood spots, yeast, oral swabs. It can be directly used for PCR/ Real-time PCR, sequencing, Southern blotting, Mutant analysis, SNP and other downstream experiments. The whole process of this kit is simple and user-friendly. According to the specific sample requirements of customers and experimental operations, the product can obtain high purity, high yield of DNA, which is the best choice for scientific research and testing.

Product Information

Features	Specifications
Format	Spin Column
Sample	Blood, bacteria (including Gram-negative and Gram-positive bacteria), cells, animal tissue, dried blood spots, yeast, oral swabs
Yield	High purity viral DNA
Length	20-50Kb
Storage Conditions	Protease K and RNase A stored at 2-8℃ Other components stored at 25℃

Application case

Case 1

6 listeria monocytogenes culture samples (2mL/ tube) were extracted with Biospin Omni Genomic DNA Extraction Kit and the purified data were as follows:

Sample ID	Nucleic Acid	Unit	260/280	260/230	Sample Type	Yield
Sample 1	76.30	ng/μl	1.86	1.90	DNA	3.82
Sample 2	96.40	ng/μl	1.87	2.04	DNA	4.82
Sample 3	32.80	ng/μl	1.96	1.83	DNA	1.64
Sample 4	54.10	ng/μl	1.89	1.84	DNA	2.71
Sample 5	75.00	ng/μl	1.86	2.00	DNA	3.75
Sample 6	138.40	ng/μl	1.86	1.93	DNA	6.92

Conclusion: For listeria monocytogenes culture samples, this kit can stably purify genomic DNA with high yield.

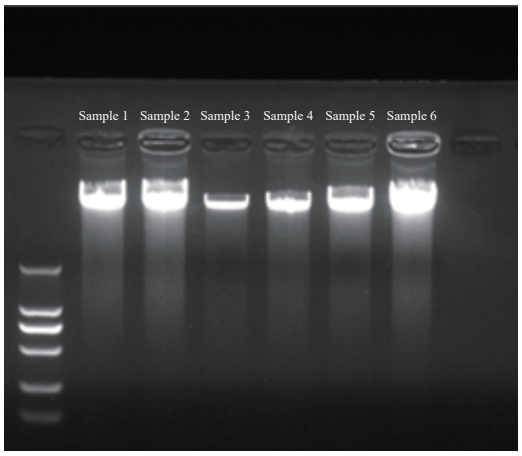

Figure 1 Result of listeria monocytogenes culture samples purified by this kit

Case 2

6 cases of fresh lung tissue samples (25mg) and fresh hepatic tissue samples (25mg) were extracted with Biospin Omni Genomic DNA Extraction Kit and the purified data were as follows:

Sample	Nucleic Acid	Unit	260/280	260/230	Sample Type	Yield
Lung tissue 1	332.7	ng/μl	1.85	2.11	DNA	33.27
Lung tissue 2	258	ng/μl	1.84	1.48	DNA	25.80
Lung tissue 3	436.4	ng/μl	1.83	1.64	DNA	43.64
Lung tissue 4	773.4	ng/μl	1.87	2.32	DNA	77.34
Lung tissue 5	229.4	ng/μl	1.83	1.41	DNA	22.94
Lung tissue 6	313.3	ng/μl	1.86	2.24	DNA	31.33

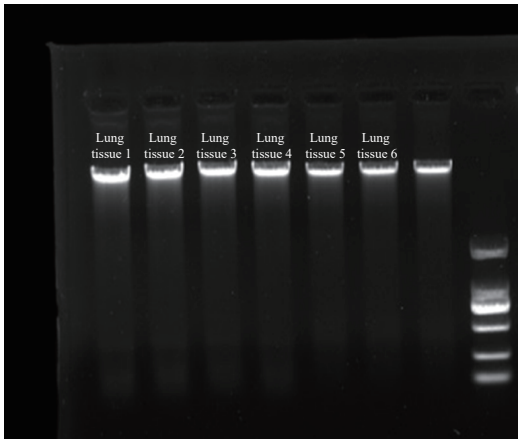

Figure 2 Result of fresh lung tissue samples purified by this kit

Sample ID	Nucleic Acid	Unit	260/280	260/230	Sample Type	Yield
Hepatic tissue 1	255.50	ng/μl	2.05	2.19	DNA	25.55
Hepatic tissue 2	250.00	ng/μl	2.06	2.18	DNA	25.00
Hepatic tissue 3	245.10	ng/μl	2.06	2.16	DNA	24.51
Hepatic tissue 4	425.50	ng/μl	2.19	2.37	DNA	42.55
Hepatic tissue 5	215.20	ng/μl	2.07	2.16	DNA	21.52
Hepatic tissue 6	448.70	ng/μl	2.21	2.37	DNA	44.87

Conclusion: For fresh lung tissue samples and hepatic tissue samples , the yield of genomic DNA purified by this product is high, which can be directly used in downstream experiments. It proves that this product has good performance.

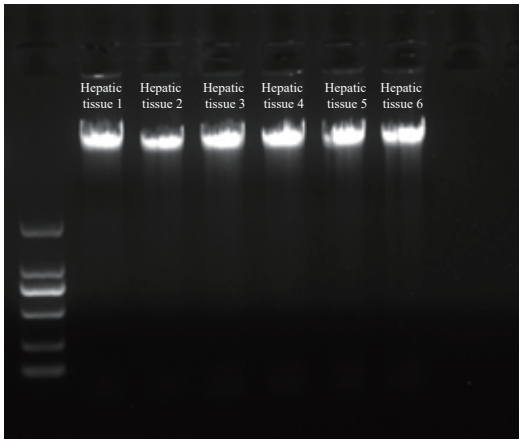

Figure 3 Result of fresh hepatic tissue samples purified by this kit

Ordering Information

Product Name	Cat#	Package	Notes
Biospin Omni Genomic DNA Extraction Kit	BSC39S1	50T	All components are stable for 18 months
	BSC39M1	100T	

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