BioChain®
ISO 9001 & 13485 Registered Company

Sample Preparation for Diagnostics and Life Science Research

Ready to Use Genomic DNA

Genomic DNA Extracted from Normal and Diseased Human Donors

Genomic DNA:

The genomic DNA offered by BioChain comes from many different sources, including over 100 different human normal tissues, as well as samples from diseased organs and tumors. This variety of options means that no matter the research you're pursuing, you will likely find what you need from BioChain.

One of the main benefits of purchasing genomic DNA from BioChain is that it will save you a lot of time and effort. The time you may have normally spent isolating DNA can now be put to better use. Additionally, you will have access to a wide variety of well characterized and documented source materials. BioChain also offers custom procurement and extraction services, in case you can't find what you need in our catalog.

Control Genomic DNA (Male, Female):

BioChain's control genomic DNAs are isolated from tissues using a proprietary modified guanidine thiocyanate. The quality and purity of genomic DNA are tested by spectrophotometer and electrophoresis.

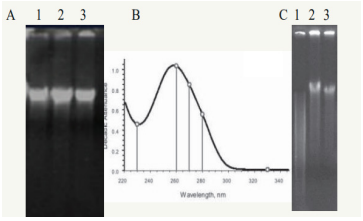

Figure 1:
A. Different lots of blood genomic DNA on 1% agarose gel.
B. UV absorbance at different wavelengths are indicative of genomic DNA purity and efficacy.
C. DNA stability and restriction enzyme digestion test.
Lane 1. DNA under EcoR I digestion at 37°C for 14 hours
Lane 2. DNA in EcoR I digestion buffer but without EcoR I enzyme at 37°C for 14 hours
Lane 3. DNA itself at 37°C for 14 hours

Key Features

- Male and female control genomic DNAs from humans and various animal species
- FFPE DNAs from various sources
- Extensive quality control procedures and documentation ensures high quality DNA
- High efficiency in PCR

Applications:

- SNP analysis, Southern Blotting, and PCR
- Genomic DNA methylation study
- Copy number variation (CNV) study
- Comparative genomic hybridization study
- Genomic DNA library construction
- Profiling study in gene expression

96 Well Genomic DNA PLATE:

BioChain's 96 Well Tumor Genomic DNA Plates can be used as Reference Standard materials for tumor gene expression research.

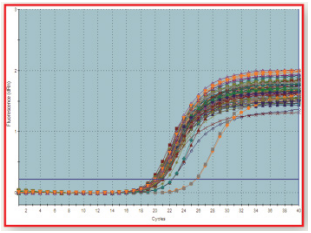

Figure 2: 96 well breast cancer genomic DNA plate was used directly for GAPDH real time PCR analysis. Genomic DNA from most of the wells generated similar Ct value.

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