BioChain®

Sample Preparation for Diagnostics and Life Science Research

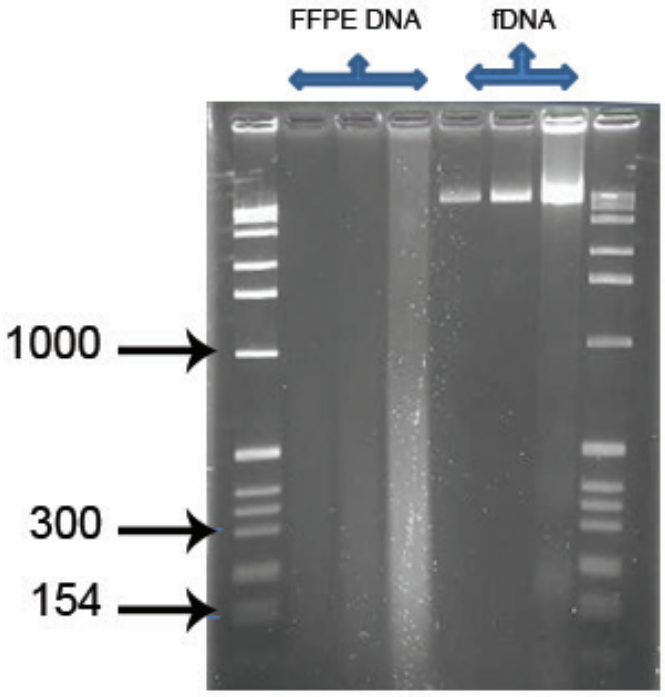
Ready-to-Use FFPE Nucleic Acid

Genomic DNA Isolated From Human Formalin Fixed Paraffin Embedded Tissue

Ready-To-Use FFPE gDNA. No Sectioning. No Extracting.

Formalin-fixed, paraffin-embedded (FFPE) tissue specimens represent an excellent source for retrospective studies of many archived and morphologically-defined pathologies. Unfortunately, extracting nucleic acids from FFPE specimens is challenging, as they become crosslinked and degraded during the archiving process.

BioChain's FFPE Genomic DNAs (gDNA) are isolated from human normal and tumor FFPE tissues. BioChain also provides organ specific matched gDNA isolated from FFPE and frozen tissues. Our genomic DNAs are ready to use for SNP analysis, copy number variation (CNV) or comparative genomic hybridization (CGH) analysis, next generation sequencing, and PCR.



Key Features

- FFPE vs. Frozen Matched Pair
- FFPE Normal vs. FFPE Tumor
- Extensive quality control procedures ensure high quality
- Documentation of clinical history available

Applications:

- SNP analysis, Southern Blotting, and qPCR
- Next Generation Sequencing (NGS)
- Copy number variation (CNV) study
- Comparative genomic hybridization (CGH) study

Figure 1: Comparison of extracted gDNA from FFPE and fresh tissue. FFPE tissue and fresh tissue from human liver were isolated and loaded on 2% agarose gel. The gel shows fragmented DNA isolated from FFPE tissue.

Lane 2: 5 ng of FFPE DNA
Lane 3: 10 ng of FFPE DNA
Lane 4: 50 ng of FFPE DNA
Lane 5: 5 ng of Fresh DNA
Lane 6: 10 ng of Fresh DNA
Lane 7: 50 ng of Fresh DNA

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To order: order@biochain.com • www.biochain.com

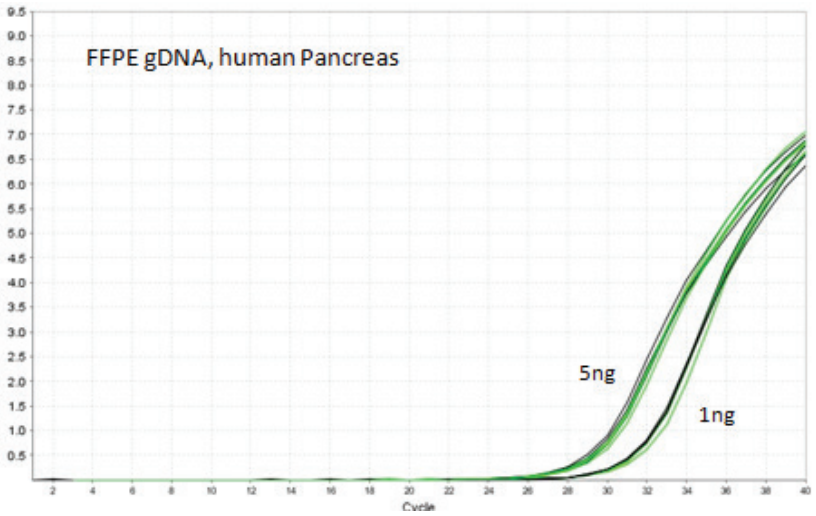

Figure 2: Genomic DNA isolated from human FFPE tissues. Extracted gDNA from human pancreas tissue was evaluated with qPCR at different concentrations.

Catelog No.	Product	Unit
D2234090	FFPE Genomic DNA - Human Adult Normal Tissue: Colon	2 µg
D2234149	FFPE Genomic DNA - Human Adult Normal Tissue: Liver	2 µg
D2234152	FFPE Genomic DNA - Human Adult Normal Tissue: Lung	2 µg
D2234188	FFPE Genomic DNA - Human Adult Normal Tissue: Pancreas	2 µg
D2235086	FFPE Genomic DNA - Human Tumor Tissue: Breast	2 µg
D2235090	FFPE Genomic DNA - Human Tumor Tissue: Colon	2 µg
D2235152	FFPE Genomic DNA - Human Tumor Tissue: Lung	2 µg
D2235188	FFPE Genomic DNA - Human Tumor Tissue: Pancreas	2 µg
D2235248	FFPE Genomic DNA - Human Tumor Tissue: Stomach	2 µg
D2235274	FFPE Genomic DNA - Human Tumor Tissue: Uterus	2 µg
D8234149-FP	FFPE and Frozen Matched Pair Genomic DNA: Human Adult Normal Tissue: Liver	2 x 2 µg
D8235086-FP	FFPE and Frozen Matched Pair Genomic DNA: Human Tumor Tissue: Breast	2 x 2 µg
D8235090-FP	FFPE and Frozen Matched Pair Genomic DNA: Human Tumor Tissue: Colon	2 x 2 µg
D8235152-FP	FFPE and Frozen Matched Pair Genomic DNA: Human Tumor Tissue: Lung	2 x 2 µg
D8235248-FP	FFPE and Frozen Matched Pair Genomic DNA: Human Tumor Tissue: Stomach	2 x 2 µg

Please inquire about our other kits and applications.

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