# NIH 3T3 Mouse Genomic DNA

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N4004S 005140516051

# N4004S

**15 µg** **Lot: 0051405** **Exp: 5/16**

**100 µg/ml** **Store at –20°C**

**Description:** NIH 3T3 (mouse embryonic fibroblast cell line) genomic DNA.

**Source:** NIH 3T3 (mouse embryonic fibroblast) cells are grown to confluency in DMEM plus 10% fetal bovine serum. Genomic DNA was isolated by a standard genomic purification protocol (1), phenol extracted and equilibrated to 10 mM Tris-HCl (pH 7.5) and 1 mM EDTA.

**Applications:**

- A control for Methylation-Specific PCR (MSP) (2), Bisulfite sequencing, Methylation-sensitive Single-Nucleotide Primer Extension (Ms- SNuPE), Combined Bisulfite Restriciton Analysis (COBRA), Bisulfite treatment and PCR-Single-Strand Conformation Polymorphism Analysis (Bisulfite-PCR-SSCP/ BiPS).
- PCR, SNP Analysis, Southern Blotting
- Genomic DNA library construction

Supplied in: 10 mM Tris-HCl (pH 7.5) and 1 mM EDTA. Avoid multiple freeze/thaw cycles.

**Quality Assurance:** Purified free of contaminating proteins and RNA.

**$A_{260/280}$ Ratio:** 1.91

**Reference:**

1. Sambrook, J. and Russell, D. (2001) *Molecular Cloning: A Laboratory Manual,* (3rd ed.), (pp. 6.4–6.12). Cold Spring Harbor: Cold Spring Harbor Laboratory Press.
2. Herman, J.G. and Baylin, S.B. (1996). U.S. Patent No. 5,786,146. John Hopkins University School of Medicine.

CERTIFICATE OF ANALYSIS

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