

Product Data

Product: Salmon Hybloc™ DNA
Catalog #: SHB
Concentration: 1 mg/mL (A₂₆₀)
Source: European Atlantic Salmon Livers (*Salmo salar*)
Storage: -20°C

Description:

Salmon Hybloc™ DNA is the repetitive sequence fraction of genomic DNA obtained from European Atlantic Salmon livers by extracting, shearing, denaturing, and reannealing DNA under conditions that enrich for repetitive sequences. Salmon Hybloc™ DNA may be effectively substituted for any other competitor DNA (e.g., COT-1 DNA®, salmon sperm DNA, genomic DNA, etc.) to suppress cross-hybridization to salmon repetitive sequences for *in situ* hybridization, Southern blots, microarray technology, or any other protocol requiring competition to block repetitive DNA from binding to the target. Hybridization with Hybloc™ DNA shows a marked increase in signal intensity and a significant decrease in the amount of background noise associated with repetitive DNA.

How Supplied:

Salmon Hybloc™ DNAs are supplied in various quantities at 1 mg/mL in 10 mM Tris-HCl (pH 7.4), 1 mM EDTA.

Quality Control Assay:

Determination of concentration from the A₂₆₀ and determination of the A₂₆₀/A₂₈₀ ratio (1.8 to 2.0); determination of molecular size: ≥80% of Salmon Hybloc™ DNA will run as a broad band between the 50 bp and 600 bp size range.

References:

- Landegent JE, Jansen in de Wal N, Dirks RW, Bao F, van der Ploeg M. Use of whole cosmid cloned genomic sequences for chromosomal localization by non-radioactive *in situ* hybridization. *Human Genetics* 1987 Dec;77(4):366-70.
- Lengauer C, Riethman H, Cremer T. Painting of human chromosomes with probes generated from hybrid cell lines by PCR with Alu and L1 primers. *Human Genetics* 1990 Nov;86(1):1-6.
- Lichter P, Cremer T, Borden J, Manuelidis L, Ward DC. Delineation of individual human chromosomes in metaphase and interphase cells by *in situ* suppression hybridization using recombinant DNA libraries. *Human Genetics* 1988 Nov;80(3):224-34.
- Lichter P, Tang CJ, Call K, Hermanson G, Evans GA, Housman D, Ward DC. High resolution mapping of human chromosome 11 by *in situ* hybridization with cosmid clones. *Science* 1990 Jan5;247(4938):64-9.
- Scalzi JM, & Hozier JC. Comparative genome mapping: mouse and rat homologies revealed by fluorescence *in situ* hybridization. *Genomics* 1998 Jan1;47(1):44-51.

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