

## Salmon Sperm Dna

**Cat#: orb348600 (MSDS)**

**Product Description:** Salmon Sperm DNA

**Concentration:** 5.0 mg/mL by UV absorbance at 260 nm

**Physical State:** Liquid

**Label** Unconjugated

**Buffer** 0.01 M Tris Chloride, 0.001 M EDTA, pH 7.6

**Stabilizer** None

**Preservative** None

**Storage Condition** Store vial at -20° C upon receipt. Expiration date is six (6) months from date of opening vial.

**Synonyms** Salmon Sperm DNA, salmon testes DNA, single strand salmon sperm DNA, Salmon DNA, Salmon Sperm DNA Solution

**Application Note** This product is a convenient, ready-to-use solution of salmon sperm DNA especially prepared for use in the preparation of pre-hybridization and hybridization solutions and as a DNA carrier in yeast transformation protocols and other related methods. This solution contains sheared single-stranded DNA molecules that can be used to block the non-specific attachment of probe DNA to the surface of a membrane (Southern) or to increase yeast transformation efficiency.

**Background** Prepared by a modification of the method of Emanuel and Chaikoff, JBC 203, 164 (1953) from salmon testes DNA by mechanical shearing and heat denaturation to an average size of 100 to 200 base pairs. To reverse any renaturation occurring during storage, this material should be briefly boiled and rapidly chilled prior to use.

>75% native nucleic acid.

**Purity And Specificity** A260/A280: 1.85% Hyperchromicity: 30.5

**Assay Dilutions** User Optimized

**Other Assays** User Optimized