

<b>Catalog Number</b>	<b>Unit Size</b>
TBS5053-10ML	10 mL
TBS5053-50ML	50 mL

**DESCRIPTION**

50X Denhardt's solution is a blocking reagent mostly applied for western, northern and southern blot procedures. It prevents the probes non-specific binding to the membranes. The solution contains 1% Ficoll (type 400), 1% Polyvinylpyrrolidone and 1% bovine serum albumin (BSA).

**APPLICATION**

Suitable for use in nucleic acid hybridizations (Northern Blot, Southern Blot).

**FEATURE**

- DNase and RNase free.
- Ready to use.
- No pH adjustment.

**CONTENTS**

The product is supplied as 50X concentrated solution with different unit size of 10 mL and 50 mL. The detail information is listed as the catalog. The product is molecular biology grade.

**STORAGE**

The product is stable for up to two years at -20 °C, and shipped in cold.

*Note: The customized solution package size can be provided as the customers' request.*

**PROTOCOL**

The working concentration is 5x for most nucleic acid hybridization. For 5x concentration preparation, simply add 1-part 50X Denhardt's solution into 9-parts solution for hybridization.

**RELATED PRODUCTS**

RNA isolation kit (305-101)  
0.5M EDTA Solution (TBS5040)  
1M MOPS Solution (TBS5041)  
20X Saline-Sodium Citrate (20xSSC) (TBS5033)  
40% Deionized Glyoxal Solution (TBS 6023)  
Tris-EDTA(TE) Buffer (TBS5009)  
10% SDS Solution (TBS5063)

**REFERENCE**

1. Wahl, G. M., Stern, M., & Stark, G. R. (1979). Efficient transfer of large dna fragments from agarose gels to diazobenzyloxymethyl-paper and rapid hybridization by using dextran sulfate. Proceedings of the National Academy of Sciences, 76(8), 3683-3687.
2. Leary, J. J., Brigati, D. J., & Ward, D. C. (1983). Rapid and sensitive colorimetric method for visualizing biotin-labeled DNA probes hybridized to dna or rna immobilized on nitrocellulose: Bio-blots. Proceedings of the National Academy of Sciences, 80(13), 4045-4049.

**For research use only.**