

## Denhardt's Solution

### Product description

Blocking agents prevent ligand adhesion to surfaces. In molecular biology, they are used to inhibit non-specific binding in Southern blotting, Northern blotting, and Western blotting. Common blocking agents for nucleic acid hybridization include Denhardt's Solution and BLOTTO. Typically, membranes containing target molecules are incubated with blocking solution for 1-2 hours prior to probe addition to suppress background hybridization. Denhardt's Solution (50X) contains Ficoll 400, PVP, and BSA. Sterile-filtered, it is primarily used for RNA hybridization, single-copy DNA hybridization, and hybridization with DNA immobilized on nylon membranes.

### Composition and storage conditions

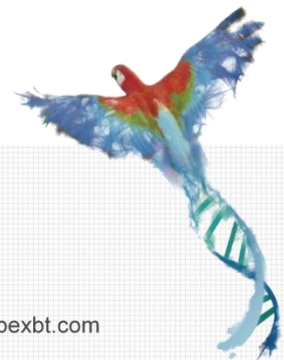
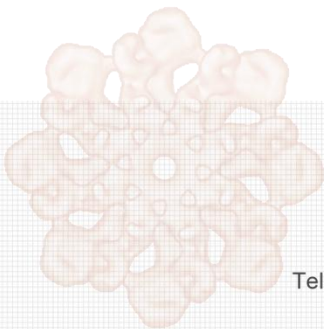
Components	Size	Storage
Denhardt's Solution (50X)	50 mL	-20°C
Shipping: Blue Ice		Shelf life: 12 months

### Experimental operation

Follow the specific experimental requirements for use, or dilute in hybridization buffer (typically SSC containing SDS and denatured salmon sperm DNA).

### Notes

1. If the usage volume per time is small, aliquot appropriately before use to avoid repeated freeze-thaw cycles.
2. This product is for research use only.



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