



# DNA Resuspension, Dilution, and Storage Guidelines

GENE FRAGMENTS | CLONAL GENES | OLIGO POOLS | VARIANT LIBRARIES

Twist Bioscience DNA products are dried down and shipped in either 2 mL microcentrifuge tubes or 96-well plates. Although double-stranded DNA and single-stranded oligonucleotides are stable under most standard laboratory storage conditions, it is important to consider the following best practices to maintain the high quality of the DNA synthesized by Twist Bioscience.

- Upon receipt, briefly centrifuge the tube or plate and resuspend in nuclease free Tris-EDTA (TE) buffer, pH 8.0 or 10 mM Tris-HCl, pH 8.0 to the desired concentration. We do not recommend resuspension in water.
- A concentration of at least 10 ng/ $\mu$ L is recommended for the stock dilution, but the optimal concentration will need to be determined based on your desired application.
- Prepare aliquots of the stock dilution and separate working aliquots to limit chances of contamination and to reduce the number of freeze/thaw cycles. Use working aliquots as soon as possible after preparation and minimize exposure to high temperatures.
- For long-term storage (up to one year), freeze DNA at  $-20^{\circ}$  C. For even longer storage, freeze DNA at  $-80^{\circ}$  C.

#### LEARN MORE:

[twistbioscience.com](https://www.twistbioscience.com)

#### SUPPLIER INFORMATION:

Twist Bioscience  
681 Gateway Blvd,  
South San Francisco, CA 94080  
[customersupport@twistbioscience.com](mailto:customersupport@twistbioscience.com)

#### OTHER INFORMATION:

Information provided herein is believed to be correct but is not deemed to be all inclusive and should only be used as a guide. Twist Bioscience should not be held liable for any damage resulting from handling or from contact with the above product.