



## 5X Sequencing Reaction Buffer User Manual

**Product catalog numbers:**

Catalog Number	Unit Sizes
070001	1 mL
070028	28 mL
070233	233 mL

**Product description:**

5X Sequencing Reaction Buffer provides the right buffer components and concentration for cycling sequencing reactions. This buffer works together with the SupreDye reaction premix and can also be used with BigDye® reaction premix without changing the SOP for sequencing reactions.

**Product storage:**

Products are shipped with blue ice and should be stored at -20 °C after arrival. Try to minimize freeze-thaw cycles.

**Sequencing reaction setup:**

Customers use different reaction volumes and dye reaction premix amount for their sequencing reactions. Here, we use 20 µl total reaction volume and 4 µl Dye reaction premix as an example:

In a PCR tube, add:

4 µl	SupreDye Reaction Mix
2 µl	5X Sequencing Buffer
X µl	Primer (3.2 pmol)
X µl	DNA templates (amount varies based on the templates)
To 20 µl total	Nuclease-free water

Set up the program on a PCR instrument to run the cycle sequencing reaction. Refer to ADS Quick Guide for Cycle Sequencing for detailed information.

**Note:**

1. Use SupreDye Reaction Premix and 5X Sequencing Reaction Buffer as in your standard SOP.
2. Any modification in your SOP using these reagents should be optimized first for successful performance.