



SupreDye™ Enhancer User Manual

Product Catalog Number:

Catalog Number	Unit Size
021001	1 ml

Product Description:

SupreDye™ Enhancer can mitigate the negative effects of reduced SupreDye Ready Mix amount used in cycle sequencing reaction. Addition of the SupreDye enhancer to the reaction reduces the rate of signal drop over the reading length, providing more even peak distribution. The SupreDye Enhancer is compatible with either SupreDye or BigDye cycle sequencing kits.

The enhancer has the same ionic strength as the SupreDye v3.1 and 1.1 reaction ready mix.

Product storage:

The product is shipped at 4°C and should be stored at -20°C upon arrival.

The Protocol for using the SupreDye enhancer in the cycle sequencing reaction:

Reaction Components	Volume added for standard 20 μ l reactions	Volume added when SupreDye Enhancer is used
SupreDye Reaction Ready Mix	8 μ l	1 μ l
ADS 5x Sequencing Reaction Buffer	-	1.5 μ l
SupreDye Enhancer	-	4 μ l
Primer (3.2 μ M)	1 μ l	1 μ l
DNA template (150 to 300 ng/ μ l)	2 μ l	2 μ l
Nuclease-free H ₂ O	9 μ l	10.5 μ l

Caution:

When incorporating Supredye Enhancer into your standard operating protocol, it needs to be optimized.