Product Focus

SupreDye™dGTP Cycle Sequencing Kits

Standard v1.1 and v3.1 cycle sequencing kits have limitations in sequencing difficult templates. The standard kits may not be able to read through those templates with secondary structures (such as hairpin structure) or high GC regions and produce low signals, resulting in shortened, low quality sequence reads. Modifications can be made to the standard kits and alleviate these problems. The ADS™ dGTP Cycle Sequencing Kits are optimized to specifically solve those issues. They can eliminate or lesson the signal drop at difficult regions so the complete, high quality sequence reads can be obtained for difficult templates.

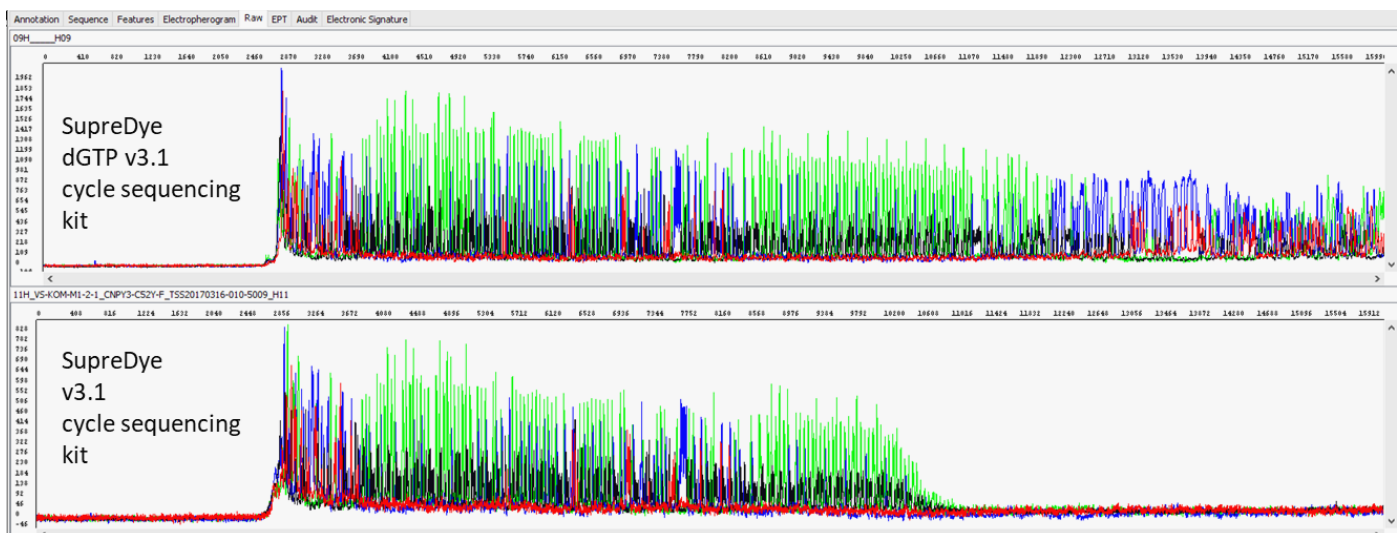The SupreDye™ dGTP Cycle Sequencing Kits provide the following benefits:

◊ Less compression and therefore clear readable peaks

◊ No need to mix with standard kits at empirical ratio

◊ "Plug and play": uses the same protocol as your standard sequencing kit

SupreDye™Cycle Sequencing Kits Categories

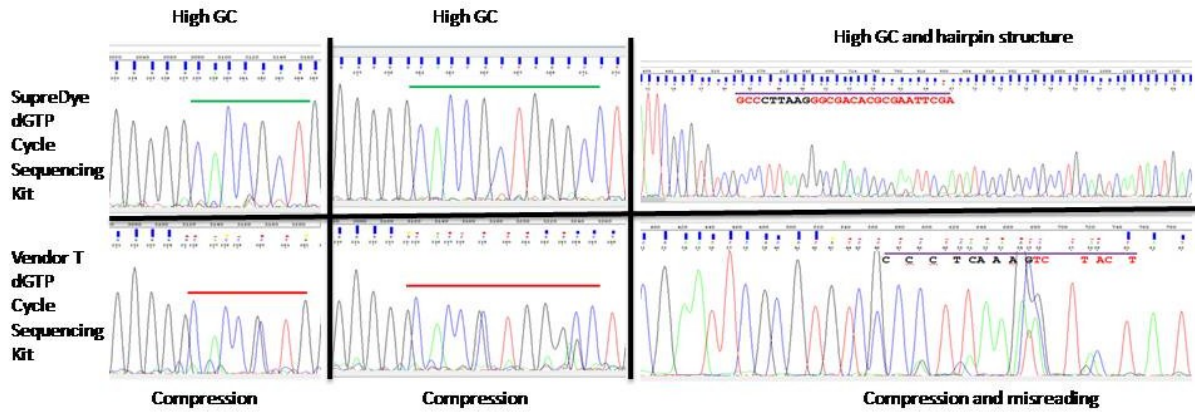The dGTP SupereDye™ Cycle Sequencing Kits have two versions:

◊ SupreDye^{TM} dGTP v1.1 cycle sequencing kits: equivalent to BigDye Terminator v1.0 cycle sequencing kit

◊ SupreDye^{TM} dGTP v3.1 cycle sequencing kit: equivalent to BigDye Terminator v3.0 cycle sequencing kit
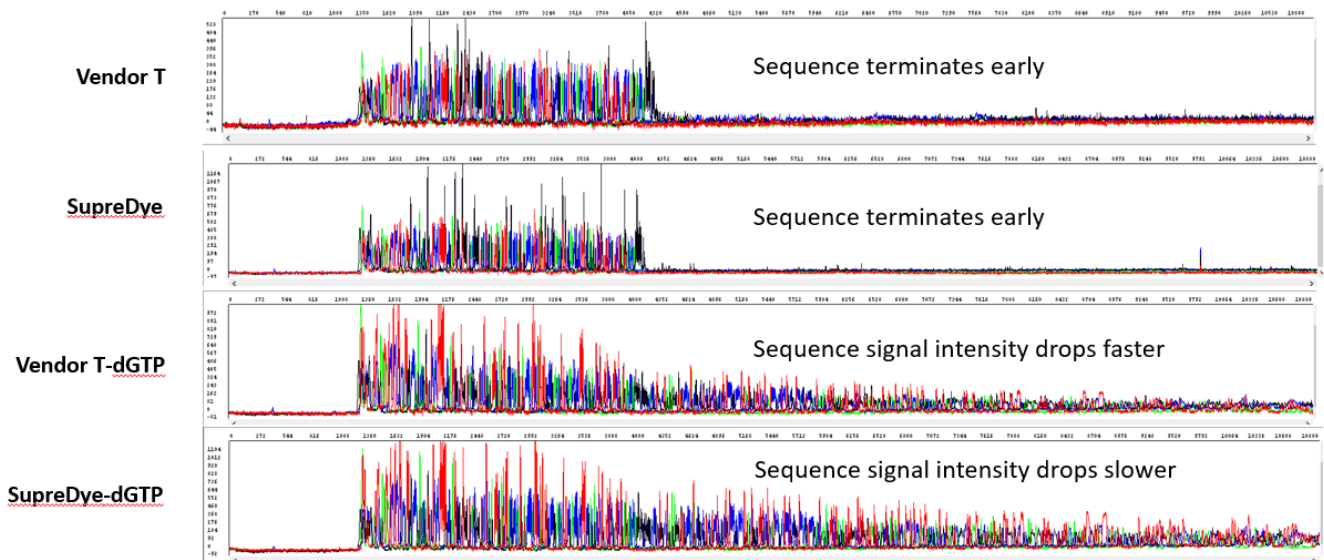
dGTP cycle sequencing kits are recommended to be used for difficult templates. However, some customers have used our SupreDye dGTP cycle sequencing kits for both regular templates and difficult templates without knowing if the templates are regular or difficult to save time. As dGTP cycle sequencing kits are not optimized for regular templates, we suggest customers make their decisions based on their applications and needs.

SuperDye™ dGTP v3.1 Cycle Sequencing Kit provides much better performance on a GC-rich template than standard v3.1 Cycle Sequencing Kit.

SupreDye™ dGTP v3.1 Cycle Sequencing Kit read through the hairpin structure without compression

SupreDye™ dGTP v3.1 Cycle Sequencing Kit reads through the hairpin structure with slower drop in signal intensity

SupreDye™ dGTP v1.1 and v3.1 Cycle Sequencing Kits

Catalog number	Product Name	Unit Size	Catalog number	Product Name	Unit Size
061001	SupreDye v1.1 cycle sequencing kit	24 rxns	065001	SupreDye v3.1 cycle sequencing kit	24 rxns
061002	SupreDye v1.1 cycle sequencing kit	100 rxns	065002	SupreDye v3.1 cycle sequencing kit	100 rxns
061008	SupreDye v1.1 cycle sequencing kit	1000 rxns	065008	SupreDye v3.1 cycle sequencing kit	1000 rxns

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