

Product: Hy-Dye Mix

Catalogue No: CB-4325-5 ~250 templates (1.6ml)
CB-4325-7 ~1000 templates (6.4ml)
CB-4325-8 ~5000 templates (32ml)

Description: The process of sequencing is subject to the inherent disadvantage, with the resultant abortive expense, of some dye-terminators failing to partake in the reaction. The proportional loss can be as high as 80%, and before the sequencing can be proceeded with, it is normally necessary to free the reaction from the obstruction of these inactive terminators.

A method of dealing with this problem is to create optimal buffer conditions such that the dye-terminator can be diluted by a factor of 5, but with the quality of the sequencing left undiminished. Therefore, less dye-terminator is dissipated requiring elimination from the reaction, so proportionally more reactions are possible per consignment of dye-terminator, thus making a more economic use of the product.

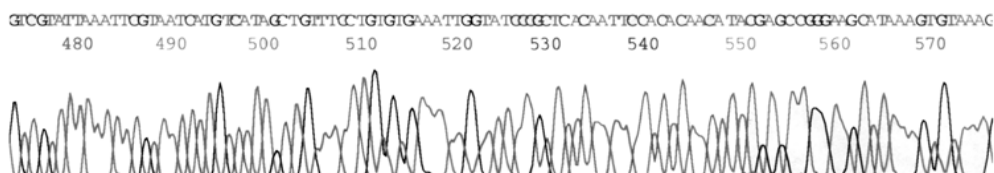
Sequencing Uses Plasmid PCR templates. No optimization necessary.

Caution The dilution factor may have to be varied in respect of certain templates.

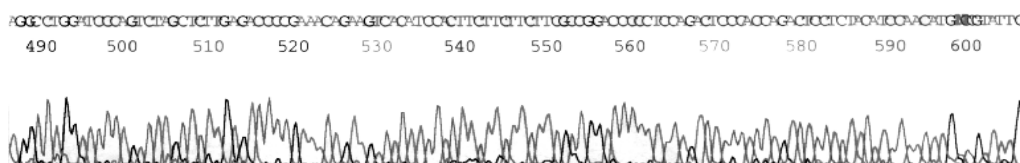
Storage temperature: Hy-Dye Mix should be stored at -20°C, in a constant-temperature freezer. It is possible to store dye-terminators diluted with Hy-Dye Mix at -20°C, for 3 months.

Batch details: Batch No: See vial

Graph of results obtained with Hy-Dye Mix, as analysed on ABI Prism 377 Autosequencer.



Plasmid Template: 1 in 3 dilution of Big Dye terminator mix with Hy-Dye



PCR Template: 1 in 5 dilution of Big Dye terminator mix with Hy-Dye

For Protocol see overleaf

