



## Betaine 5M solution - 1ml

Cat No : YT9077

### Description:

Betaine is one of the effective enhancer which helps in reducing the secondary structure of GC rich templates and assists amplification of these templates by decreasing the DNA melting temperature.

This Enhancer Solution is an excellent enhancer especially when used with GC-rich regions or templates with a high degree of secondary structures

### We suggest:

When using the betaine solution for the first time, always perform parallel reactions with and without the betaine solution. When using the betaine solution, depending on the individual PCR assay different results may be observed:

- enables amplification of a reaction that previously failed
- increases PCR specificity
- no effect
- causes reduced PCR efficiency or failure

### How to use:

Add 5µl of betaine as follow:

Component	Volume/reaction	Final concentration
Master mix 2X	12.5µl	1X
Primer F (10pkm)	0.5 µl	0.1-1
Primer R (10pkm)	0.5 µl	0.1-1
5M betaein	5 µl	1M
PCR grade H2O	X	-
Template	X	-
Total volume	25 µl	-