Product Specification Summary

PCR Amplification & Analysis

Catalog Number	40-3032-10
Product Name	Betaine 5M; 1 mL
Size	1 mL

PCR additives Betaine, DMSO and formamide reduces the Tm and the complex secondary structure thus the duplex stability. Tetramethyl ammonium chloride (TMAC) actually increases the specificity of hybridization and increases the Tm. The use of TMAC is recommended in PCR conditions using degenerate primers.
These PCR additives and enhancing agents have been used to increase the yield, specificity and consistency of PCR reactions. These additives may have beneficial effects on some amplification and it is impossible to predict which agents will be useful in a particular context and therefore they must be empirically tested for each combination of template and primers. Betaine reduces Tm facilitating GC rich region amplification. Reduces duplex stability.Use 3.5M to 0.1M betaine. Be sure to use Betaine or Betaine (mono)hydrate and not Betaine HCl.

Scan the QR Code or visit the following links

Product Infomation http://www.genelink.com/geneprodsite/product.asp?p=1075

Product Manual http://www.genelink.com/Literature/ps/M40-3021-PCR_Additives_Ver5.2.pdf

Product MSDS http://www.genelink.com/Literature/ps/GL MSDS LONG-hazardous_Betaine_20230310.pdf

Related Products

Product	Catalog No	Size
Omni-Marker™ Universal unlabeled; 100 uL	40-3005-01	100 uL
Omni-Marker™ Universal unlabeled; 1 mL	40-3005-10	1 mL
Omni-Marker™ Low unlabeled; 500 uL	40-3006-05	