

SharkaTAQ™ Item # 800885

A robust, and highly cost effective TAQ polymerase ideal for multiple uses.

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Kit Benefits

This kit includes 10X PCR buffer, 10mM dNTPs, and 50mM MgCl₂, which allows the user to optimize conditions for their specific application. Also includes a Master Mix Calculator to aid with assay set up.

Use the SharkaTAQ™ Master Mix Calculator (below) to determine how much of each reagent to add in order to create your personalized PCR Master Mix.

Click on the spreadsheet to download, or go to:
<http://www.frontiergenomics.com/ssheets/SharkaTAQcalculator.xls>

Contents:

- 10x PCR Buffer
- 50mM MgCl₂
- 10mM dNTPs
- SharkaTAQ™

Reagents	Per Rxn Vol (ul)	# Rxns	Final MgCl ₂
	25	100	3
10X PCR Buffer	250.0		
50mM MgCl ₂	150.0		
10mM dNTPs	125.0		
SharkaTaq	100.0		
Forward Primer (10uM)	50.0		
Reverse Primer (10uM)	50.0		
Subtotal MMX	725.0		
ddH ₂ O	1675.0		
DNA per reaction	1.0		
Total Volume	2500		

Minimum 10ul PCR reaction volume

Enter total # rxns

Enter final conc of MgCl₂

Enter volume of DNA in each reaction to determine how much ddH₂O to add

**** Note—Items not provided: Primers for the target sequence (Dilute to 10µM for use with this kit), or PCR Thermocycler**

Questions or comments please write us at: info@FrontierGenomics.com or call (888) 498-0188