

# BIOV PCR KITS

## GUIDE TO PCR KITS

Nomenclature of polymerase kits optimized for different tasks



### BIOV RAP DNA & MINICUBE PCR - THE ULTIMATE BIOCHEMICAL AND HARDWARE COMBINATION

	High Yield	Sensitivity	Long Range	High Fidelity	Speed	Back-ground	GC-Rich	T/A overhang	5'→3' Exo	3'→5' Exo	Hotstart	Freeze dried
BIOV-Y <sup>2</sup> -S <sup>2</sup> -T	xxx	xxx						yes	no	no		
BIOV-Y <sup>3</sup> -S <sup>3</sup> -H-T-3'	xxxx	xxxx	x	xxx				yes	no	yes		
BIOV-B <sup>2</sup> -G <sup>2</sup> -T						xxx	xxx	yes	no	no		
BIOV-Y <sup>3</sup> -S <sup>2</sup> -L <sup>2</sup> -T-5'-3'	xxxx	xxx	xxx					yes	yes	yes		
BIOV-L <sup>3</sup> -G-Y-T-5'-3'-R			xxxx				xx	yes	yes	yes	yes	
BIOV-L <sup>3</sup> -G <sup>2</sup> -T-5'-3'			xxxx				xxx	yes	yes	yes		
BIOV-L <sup>4</sup> -H <sup>2</sup> -V <sup>3</sup> -G <sup>2</sup> -3'-R			xxxxx	xxxx	xxx		xxx	blunt	no	yes	yes	
BIOV-L-H <sup>2</sup> -V <sup>4</sup> -3'-R			x	xxxx	xxxx			blunt	no	yes	yes	
BIOV-L-V <sup>2</sup> -5'-3'-R			x		xxx			yes	yes	yes	yes	
BIOV-L <sup>2</sup> -H-S <sup>2</sup>			xxx	x	xxx							

### NOMENCLATURE

Y :	<b>High Yield,</b>	<b>amplifies larger amount in fewer cycles with reduced background</b>
S :	<b>Sensitivity,</b>	<b>ability to amplify rare targets</b>
L :	<b>Long Range</b>	<b>amplicons from 2 kb (labelled : x) to 30 kb (labelled : xxxx)</b>
H :	<b>High Fidelity</b>	<b>fidelity a measure of rate of error free amplification -</b>
V :	<b>Velocity kb/sec</b>	<b>velocity of amplicon generation from 60 sec/kb (no label), to 10 sec/kb (labelled : xxx) to 5 sec/kb (labelled : xxxx)</b>
B :	<b>Background robustness</b>	<b>robustness against background contamination of various chemicals - essential for direct PCR</b>
G :	<b>GC rich effectivity</b>	<b>effectivity in amplifying GC rich regions</b>
T :	<b>T/A overhang</b>	<b>A overhangs for cloning</b>
5 :	<b>5'→3' Exonuclease</b>	<b>5' to 3' exonuclease activity</b>
3 :	<b>3'→5' Exonuclease</b>	<b>3' to 5' exonuclease activity</b>
R :	<b>Hotstart</b>	<b>Antibody mediated hotstart - enables Room temperature preparation</b>
F :	<b>Freeze dried</b>	<b>Ask?</b>

## Contact



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