

DNA Type	DNA (ng) +	Primer (pmoles)	Total volume(ul)
Plasmid			
single-stranded DNA	200	30	12
double-stranded DNA (up to 10 kB)	1000	30	12
PCR Product			
<100 - 200 bp	2 - 6	30	12
200 - 500 bp	6 - 15	30	12
500 - 1000 bp	10 - 40	30	12
1000 - 2000 bp	20 - 80	30	12
>2000 bp	80 - 200	30	12

If GTSF supplies primer, total volume is 6 ul

DNA Type	DNA (ng) +	Primer (pmoles)	Total volume(ul)
Plasmid			
single-stranded DNA	200	0	6
double-stranded DNA (up to 10 kB)	1000	0	6
PCR Product			
<100 - 200 bp	2 - 6	0	6
200 - 500 bp	6 - 15	0	6
500 - 1000 bp	10 - 40	0	6
1000 - 2000 bp	20 - 80	0	6
>2000 bp	80 - 200	0	6