

Double Digestion Buffer Guide

Enzyme		Aat II	BamHI	Bgl II	Eag I	EcoRI	EcoR V	Hind III	Kpn I	Nco I	Nde I	Nhe I	Not I	Pst I	Pvu I	Sac I	Sac II	Sal I	Sma I	Spe I	Sph I	Xba I	Xho I
	Buffer	4	BamHI	3	3	EcoRI	3	2	1	4	4	2	3	3	3	1	4	3	4	4	2	4	4
Aat II	4	--	seq	seq	seq	seq	4	4	4	4	4	4	seq	4	seq	4	4	seq	4	4	4	4	4
BamHI	BamHI	seq	--	3	3	EcoRI	3	seq	seq	3	3	seq	3	3	3	seq	seq	3	seq	seq	3	3	3
Bgl II	3	seq	3	--	3	EcoRI	3	2	2	3	3	2	3	3	3	2	seq	3	seq	2	2	2	3
Eag I	3	seq	3	3	--	EcoRI	3	seq	seq	3	3	seq	3	3	3	seq	seq	3	seq	seq	3	3	3
EcoRI	EcoRI	seq	EcoRI	EcoRI	EcoRI	--	EcoRI	seq	1	EcoRI	EcoRI	1	EcoRI	EcoRI	EcoRI	1	EcoRI	EcoRI	seq	EcoRI	EcoRI	seq	EcoRI
EcoR V	3	4	3	3	3	EcoRI	--	2	2	3	2	2	3	3	3	2	2	3	4	2	2	2	3
Hind III	2	4	seq	2	seq	seq	2	--	2	2	2	2	2	2	2	2	2	seq	4	2	2	2	2
Kpn I	1	4	seq	2	seq	1	2	2	--	1	1	1	2	1	2	1	4	seq	seq	1	1	2	1
Nco I	4	4	3	3	3	EcoRI	3	2	1	--	4	2	3	3	3	1	4	3	4	4	2	4	4
Nde I	4	4	3	3	3	EcoRI	2	2	1	4	--	4	3	3	3	4	4	3	4	4	2	4	4
Nhe I	2	4	seq	2	seq	1	2	2	1	2	4	--	2	2	2	1	4	seq	4	2	2	2	2
Not I	3	seq	3	3	3	EcoRI	3	2	2	3	3	2	--	3	3	2	2	3	seq	2	2	3	3
Pst I	3	4	3	3	3	EcoRI	3	2	1	3	3	2	3	--	3	1	2	3	4	2	2	3	3
Pvu I	3	seq	3	3	3	EcoRI	3	2	2	3	3	2	3	3	--	2	2	3	seq	2	2	3	3
Sac I	1	4	seq	2	seq	1	2	2	1	1	4	1	2	1	2	--	4	seq	4	1	1	4	1
Sac II	4	4	seq	seq	seq	EcoRI	2	2	4	4	4	4	2	2	2	4	--	seq	4	4	4	4	4
Sal I	3	seq	3	3	3	EcoRI	3	seq	seq	3	3	seq	3	3	3	seq	seq	--	seq	seq	3	3	3
Sma I	4	4	seq	seq	seq	seq	4	4	seq	4	4	4	seq	4	seq	4	4	seq	--	4	4	4	4
Spe I	4	4	seq	2	seq	EcoRI	2	2	1	4	4	2	2	2	2	1	4	seq	4	--	2	4	4
Sph I	2	4	3	2	3	EcoRI	2	2	1	2	2	2	2	2	2	1	4	3	4	2	--	2	2
Xba I	4	4	3	2	3	seq	2	2	2	4	4	2	3	3	3	4	4	3	4	4	2	--	4
Xho I	4	4	3	3	3	EcoRI	3	2	1	4	4	2	3	3	3	1	4	3	4	4	2	4	--
Xma I	4	4	seq	seq	seq	seq	4	seq	4	4	4	4	2	4	seq	4	4	seq	4	4	4	4	4

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Digestion Buffer Guide

Enzyme	Site	Buffer	Temp.
Aat II	GACGT [^] C	4	37
AccI	GT [^] MKAC	4	37
Acc III	T [^] CCGGA	Acc III	65
Afl II	C [^] TTAAG	4 + BSA	37
Age I	A [^] CCGGT	1	37
Alu I	AG [^] CT	4	37
Apa I	GGGCC [^] C	4 + BSA	25
ApaL1	G [^] TGCAC	4 + BSA	37
Apo I	R [^] AATTY	3 + BSA	50
Ase I	AT [^] TAAT	3	37
Ava I	C [^] YCGRG	4	37
Ava II	G [^] GWCC	4	37
Ava III	ATGCA [^] T	4	37
BamH I	G [^] GATCC	BamH I + BSA	37
Ban I	G [^] GYRCC	4 + BSA	37
Bbv I	GCAGC(8/12)	2	37
Bcl I	T [^] GATCA	3	50
Bgl I	GCCNNNN [^] NGGC	3	37
Bgl II	A [^] GATCT	3	37
Dde I	C [^] TNAG	3	37
Dpn I	GA [^] TC	4	37
Dpn II	[^] GATC	Dpn II	37

Enzyme	Site	Buffer	Temp.
Dra I	TTT [^] AAA	4	37
Dra III	CACNNN [^] GTG	3 + BSA	37
Eag I	C [^] GGCCG	3	37
EcoR I	G [^] AATTC	EcoR I	37
EcoR V	GAT [^] ATC	3 + BSA	37
Fok I	GGATG (9/13)	4	37
Hae II	RGCGC [^] Y	4 + BSA	37
Hae III	GG [^] CC	4	37
Hae IV	^(7/13) GAYNNNNR ^(14/9) TC	4	37
Hinc II	GTY [^] RAC	3 + BSA	37
Hind III	A [^] AGCTT	2	37
Hinf I	G [^] ANTC	4	37
Hpa I	GTT [^] AAC	4	37
Hpa II	C [^] CGG	1	37
Kas I	G [^] GCGCC	4 + BSA	37
Kpn I	GGTAC [^] C	1 + BSA	37
Mbo I	[^] GATC	4	37
Mbo II	GAAGA (8/7)	4	37
Mlu I	A [^] CGCGT	3	37
Mwo I	GCNNNNN [^] NNGC	3	60
Nae I	GCC [^] GGC	4	37
Nco I	C [^] CATGG	4	37

Enzyme	Site	Buffer	Temp.
Nde I	CA [^] TATG	4	37
Nhe I	G [^] CTAGC	2 + BSA	37
Not I	GC [^] GGCCGC	3 + BSA	37
Pho I	GG [^] CC	3	75
Pst I	CTGCA [^] G	3 + BSA	37
Pvu I	CGAT [^] CG	3 + BSA	37
Pvu II	CAG [^] CTG	2	37
Sac I	GAGCT [^] C	1 + BSA	37
Sac II	CCG [^] CGG	4	37
Sal I	G [^] TCGAC	3 + BSA	37
Sca I	AGT [^] ACT	3	37
Sfi I	GGCCNNNN [^] NGGCC	4 + BSA	50
Sma I	CCC [^] GGG	4	25
SnaB I	TAC [^] GTA	4 + BSA	37
Spe I	A [^] CTAGT	4 + BSA	37
Sph I	GCATG [^] C	2	37
Ssp I	AAT [^] ATT	Ssp I	37
TthHB8 I	T [^] CGA	4 + BSA	65
Xba I	T [^] CTAGA	4 + BSA	37
Xho I	C [^] TCGAG	4 + BSA	37
Xho II	R [^] GATCY	2	37
Xma I	C [^] CCGGG	4 + BSA	37

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