FastDigest® Restriction Enzymes
A New Standard in DNA Digestion

ONE universal buffer for all digests • **ONE** temperature for all digests • **ONE** µl cuts 1 µg of DNA • Complete digestion in 5 minutes

ISO 9001 | ISO 14001

PureExtreme®

Highest quality & performance

Enzyme	Specificity 5'→3'	Reaction temperature, °C	Digestion time with 1 µl of FastDigest® enzyme, min: Lambda DNA 1 µg/20 µl	Plasmid DNA 1 µg/20 µl	PCR product ~0.2 µg/30 µl	Genomic DNA 1 µg/10 µl	bp from end of DNA required for complete digestion	Thermal inactivation	Incubation time without star activity, hours	Methylation sensitivity	Catalog, #	Package size, reactions
FastDigest® AccI (XmnI)	GT↓MKAC	37	5	5	60	5	2	65°C, 5 min	16	CG	FD1484	50
FastDigest® AccB5I	G↓GTACC	37	5	5	5	5	3	65°C, 5 min	16	Dam CG	FD0904	100
FastDigest® AciI (SalI)	CCGC(-3/-1)↓	37	5	5	5	5	2	65°C, 20 min	4	CG	FD1794	20
FastDigest® AclI (Psp1406I)	AA↓CGTT	37	5	5	5	5	3	65°C, 5 min	16	CG	FD0944	20
FastDigest® AfeI (Eco47III)	AGC↓GCT	37	5	5	5	5	4	65°C, 5 min	16	CG	FD0324	20
FastDigest® AflII (BspTI)	C↓TTAAG	37	5	5	5	5	4	65°C, 10 min	16	no effect	FD0834	150
FastDigest® AgeI (BshTI)	A↓CCGGT	37	5	5	5	5	3	80°C, 5 min	16	CG	FD1464	20
FastDigest® AjuI*	J(7/12)GAAN(-7/TTGG(11/8)↓	37	5**	5	10	5	4	65°C, 5 min	16	no effect	FD1954	20
FastDigest® AleI (OliI)	CACNN↓NNGTG	37	5**	5	10	5	3	65°C, 5 min	6	CG	FD1634	20
FastDigest® Alw21I	GWGCW↓C	37	5	5	5	5	1	65°C, 5 min	16	no effect	FD0024	100
FastDigest® Alw26I	GTCTC(1/5)↓	37	5	5	5	5	1	65°C, 5 min	16	CG	FD0034	100
FastDigest® AlwNI (CalI)	CAGNNN↓CTG	37	5	5	5	5	4	65°C, 10 min	16	Dcm	FD1394	50
FastDigest® ApaI	GGGCC↓C	37	5	5	20	10	2	65°C, 5 min	16	Dcm CG	FD1414	300
FastDigest® ApaLI (AlwI44I)	G↓TGCAC	37	5	30	10	5	4	80°C, 5 min	16	CG	FD0044	200
FastDigest® AscI (SgsI)	GG↓CGCGCC	37	5	5	5	5	2	65°C, 20 min	16	CG	FD1894	100
FastDigest® AseI (VspI)	AT↓TAAT	37	5	5	5	30	2	65°C, 5 min	16	no effect	FD0914	200
FastDigest® AsiSI (SfaAI)	GCGAT↓CGC	37	5**	5	60	5	5	80°C, 5 min	16	CG	FD2094	100
FastDigest® AvaI (Eco88I)	C↓YCGRG	37	5	5	5	5	2	65°C, 5 min	16	CG	FD0384	200
FastDigest® AvaII (Eco47I)	G↓GWCC	37	5	5	5	5	1	65°C, 10 min	16	Dcm CG	FD0314	200
FastDigest® AvrII (XmaJI)	C↓CTAGG	37	5	5	5	5	10	2	No***	16	no effect	FD1564	20
FastDigest® BamHI	G↓GATCC	37	5	5	5	5	2	80°C, 5 min	16	no effect	FD0054	800
FastDigest® BanI (BshNI)	G↓GYRCC	37	5	60	5	15	2	65°C, 10 min	16	Dcm CG	FD1004	300
FastDigest® BbsI (BpiI)	GAAGAC(2/6)↓	37	5	5	5	5	1	65°C, 10 min	16	no effect	FD1014	20
FastDigest® BbvI (Lsp11109I)	GCAGC(8/12)↓	37	5**	5	5	10	2	65°C, 20 min	1	no effect	FD2074	100
FastDigest® BclI	T↓GATCA	37	5	5	15	5	3	80°C, 20 min	16	Dam	FD0724	300
FastDigest® BfaI (FspBI)	C↓TAG	37	5	15	5	20	3	65°C, 5 min	16	Dcm	FD1764	50
FastDigest® BglI	GCCNNNN↓NGGC	37	5	5	5	5	3	65°C, 5 min	2	CG	FD0074	200
FastDigest® BglII	A↓GATCT	37	5	20	30	20	3	No***	16	no effect	FD0083 FD0084	100 200
FastDigest® BlpI (Bpu1102I)	GC↓TNAGC	37	5	5	5	5	2	80°C, 5 min	16	no effect	FD0094	50
FastDigest® Bme1580I (BseSI)	GKGCM↓C	37	5	5	5	30	3	80°C, 15 min	16	no effect	FD1444	50
FastDigest® BmtI (BspOI)	GCTAG↓C	37	5	5	15	5	3	80°C, 20 min	1	no effect	FD2044	20
FastDigest® BsaAI (Fpu21I)	YAC↓GTR	37	5	5	5	5	1	65°C, 5 min	16	CG	FD1974	50
FastDigest® BsaBI (BseJI)	GATNN↓NNGTC	65	5	5	5	5	3	ND	1	Dam	FD1714	200
FastDigest® BsaHI (HinI1)	GR↓CGYC	37	5	5	5	5	1	65°C, 5 min	16	Dcm CG	FD0474	100
FastDigest® BsaJI (BseDI)	C↓CNNGG	37	5	5	5	5	3	80°C, 5 min	16	no effect	FD1084	20
FastDigest® BseGI	GGATG(2/0)↓	37	5	5	5	5	2	80°C, 5 min	16	no effect	FD0874	100
FastDigest® BseNI	ACTGG(1/-1)↓	65	5	5	5	5	2	80°C, 20 min	16	no effect	FD0884	100
FastDigest® Bsh1236I	CG↓CG	37	5	5	5	5	1	80°C, 20 min	16	CG	FD0924	100
FastDigest® BsiWI (PflQ23I)	C↓GTACG	37	5	10	15	10	ND	65°C, 5 min	16	CG	FD0854	50
FastDigest® BslI (BseLI)	CCNNNNN↓NNGG	37	5	5	5	5	2	No***	16	Dcm CG	FD1204	100
FastDigest® BsmBI (Esp3I)*	CGTCTC(1/5)↓	37	5	5	5	5	1	65°C, 10 min	6	CG	FD0454	20
FastDigest® Bsp119I	TT↓CGAA	37	5	5	5	5	1	80°C, 5 min	16	CG	FD0124	200
FastDigest® Bsp120I	G↓GGCCC	37	5	5	15	5	3	80°C, 10 min	16	Dcm CG	FD0134	200
FastDigest® Bsp1286I (SduI)	GGGCC↓C	37	5	5	5	5	2	65°C, 10 min	1	no effect	FD0654	50
FastDigest® Bsp1407I	T↓GTACA	37	5	5	5	5	3	65°C, 15 min	16	no effect	FD0933 FD0934	50 100
FastDigest® BspHI (PagI)	T↓CATGA	37	5	10	5	10	3	80°C, 5 min	0.5	Dam	FD1284	50
FastDigest® BsrBI (MboI)	CCG↓CTC	37	5	5	5	5	3	65°C, 5 min	16	CG	FD1274	100
FastDigest® BsrFI (CfrI10I)	R↓CCGGY	37	5	5	10	5	2	No***	2	CG	FD0184	50
FastDigest® BsuI36I (Eco81I)	CC↓TNAGG	37	5	5	5	5	2	80°C, 10 min	16	no effect	FD0374	50
FastDigest® BstXI	CCANNNNN↓NTGG	37	5	5	5	5	4	80°C, 5 min	0.5	Dcm	FD1024	100
FastDigest® BstZ17I (Bst11107I)	GTA↓TAC	37	5	5	5	10	3	No***	6	CG	FD0704	100
FastDigest® ClaI (Bsu15I)	AT↓CGAT	37	5	5	5	5	2	65°C, 5 min	16	Dam CG	FD0143 FD0144	50 100
FastDigest® CspI6I	G↓TAC	37	5	5	5	5	2	80°C, 10 min	16	no effect	FD0214	100
FastDigest® DdeI (HpyF3I)	C↓TNAG	37	5	5	5	10	3	65°C, 5 min	16	no effect	FD1884	100
FastDigest® DpnI	Gm6A↓TC	37	5**	5	not applicable	10	1	80°C, 5 min	16	does not cut *dam*⁻ DNA	FD1703 FD1704	50 100
FastDigest® DraI	TTT↓AAA	37	5	5	5	5	4	65°C, 5 min	16	no effect	FD0224	200
FastDigest® DraIII (AdeI)	CACNNN↓GTG	37	5	5	5	5	2	80°C, 5 min	6	CG	FD1234	50
FastDigest® DrdI (AasI)	GACNNNN↓NNGTC	37	5	5	5	5	1	80°C, 20 min	1	CG	FD1724	25
FastDigest® EagI (Eco52I)	C↓GGCCG	37	5	20	20	5	3	65°C, 5 min	16	CG	FD0334	50
FastDigest® Eam1105I	GACNNN↓NNGTC	37	5	5	5	5	3	65°C, 5 min	16	no effect	FD0244	100
FastDigest® EarI (Eam1104I)	CTCTTC(1/4)↓	37	5**	5	5	5	3	80°C, 5 min	6	no effect	FD0234	50
FastDigest® EcoRI	G↓AATTC	37	5	5	5	5	1	65°C, 5 min	6	CG	FD0254	100
FastDigest® Eco31I	GGTCTC(1/5)↓	37	5	5	5	5	3	65°C, 5 min	16	Dam CG	FD0293 FD0294	50 100
FastDigest® Eco91I	G↓GTNACC	37	5	5	5	5	2	65°C, 10 min	2	no effect	FD0394	200
FastDigest® EcoNI (XagI)	CCTNN↓NNNAGG	37	5	5	5	20	2	65°C, 5 min	16	no effect	FD1304	100
FastDigest® Eco0109I	RG↓GNCCY	37	5	10	15	5	2	65°C, 5 min	16	Dcm	FD0264	200
FastDigest® EcoRI	G↓AATTC	37	5	5	20	5	2	80°C, 5min	0.5	CG	FD0274	800
FastDigest® EcoRV (Eco32I)	GAT↓ATC	37	5	5	5	5	2	No***	16	no effect	FD0303 FD0304	200 400
FastDigest® EheI	GGC↓GCC	37	5	5	5	5	2	65°C, 5 min	6	CG	FD0443 FD0444	20 50
FastDigest® Fnu4HI (SatI)	GC↓NGC	37	5	5	10	5	3	65°C, 5 min	16	CG	FD1644	20
FastDigest® FspI (NsbI)	TGC↓GCA	37	5	5	5	5	3	65°C, 15 min	16	CG	FD1224	50
FastDigest® FspAI	RTGC↓GCAY	37	5	5	5	5	4	65°C, 5 min	16	CG	FD1664	20
FastDigest® HaeIII (BsuRI)	GG↓CC	37	5	5	5	5	3	No***	16	no effect	FD0154	400
FastDigest® HhaI	GCG↓C	37	5	5	5	5	1	No***	16	CG	FD1854	200
FastDigest® HincII	GTY↓RAC	37	5	5	5	10	1	65°C, 5 min	16	CG	FD0494	100
FastDigest® HindIII	A↓AGCTT	37	5	5	20	10	3	80°C, 10 min	16	no effect	FD0504	800
FastDigest® HinfI	G↓ANTC	37	5	5	5	5	2	65°C, 20 min	16	CG	FD0804	400
FastDigest® HinP1I (HinfI)	G↓CGC	37	5	10	5	5	2	80°C, 10 min	16	CG	FD0484	200
FastDigest® HpaI (KspAI)	GTT↓AAC	37	5	5	5	5	3	65°C, 15 min	0.5	CG	FD1034	50
FastDigest® HpaII	C↓CGG	37	5	5	5	5	3	65°C, 5 min	16	CG	FD0514	200
FastDigest® HpyBI	GTN↓NAC	37	5	5	5	10	2	80°C, 5 min	16	CG	FD1574	20
FastDigest® HpyF10VI	GCNNNNN↓NNGC	37	5	5	5	5	2	80°C, 5 min	16	CG	FD1734	20
FastDigest® KpnI	GGTAC↓C	37	5	5	5	5	3	80°C, 5 min	16	no effect	FD0524	300
FastDigest® Kpn2I	T↓CCGGA	37	5	5	5	5	2	80°C, 5 min	16	CG	FD0534	100
FastDigest® MboI	↓GATC	37	5	5	5	10	1	65°C, 15 min	16	Dam	FD0814	50
FastDigest® MboII	GAAGA(8/7)↓	37	5	5	5	5	2	65°C, 5 min	16	Dam	FD0824	50
FastDigest® MfeI (MunI)	C↓AATTG	37	5	5	5	5	3	No***	16	no effect	FD0753 FD0754	20 50
FastDigest® MluI	A↓CGCGT	37	5	5	5	15	3	80°C, 5 min	16	CG	FD0564	100
FastDigest® MlyI (SchI)	GAGTC(5/5)↓	37	5	5	30	5	2	80°C, 5 min	1	no effect	FD1374	100
FastDigest® MnlI	CCTC(7/6)↓	37	5	5	5	5	2	65°C, 5 min	16	no effect	FD1074	50
FastDigest® MreI	CG↓CCGGCG	37	5**	5	5	5	3	80°C, 5 min	16	CG	FD2024	20
FastDigest® MscI (MlsI)	TGG↓CCA	37	5	5	30	20	3	65°C, 5 min	16	Dcm	FD1214	50
FastDigest® MslI (RseI)	CAYNN↓NNRTG	37	5	5	5	5	4	65°C, 20 min	16	no effect	FD2004	20
FastDigest® MspI	C↓CGG	37	5	5	5	5	3	No***	16	no effect	FD0544	400
FastDigest® MssI	GTTT↓AAAC	37	5	5	5	5	2	65°C, 10 min	16	no effect	FD1344	100
FastDigest® MvaI	CC↓WGG	37	5	5	5	10	4	No***	1	no effect	FD0554	200
FastDigest® Mva1269I	GAATGC(1/-1)↓	37	5	5	5	5	3	65°C, 5 min	16	no effect	FD0964	50
FastDigest® NaeI (PdiI)	GCC↓GGC	37	5**	5	5	5	3	65°C, 5 min	16	CG	FD1524	50
FastDigest® NciI (BcnI)	CC↓SGG	37	5	5	5	5	3	80°C, 20 min	16	CG	FD0064	200
FastDigest® NcoI	C↓CATGG	37	5	10	10	5	3	65°C, 15 min	16	no effect	FD0573 FD0574	20 100
FastDigest® NdeI	CA↓TATG	37	5	5	60	30	3	65°C, 5 min	6	no effect	FD0583 FD0584	100 300
FastDigest® NheI	G↓CTAGC	37	5	15	5	5	5	65°C, 5 min	6	CG	FD0973 FD0974	50 100
FastDigest® NlaIII (HinT1I)	CATG↓	37	5	10	5	10	4	80°C, 5 min	16	no effect	FD1834	100
FastDigest® NlaIV (BspLI)	GGN↓NCC	37	5	5	5	5	2	65°C, 20 min	16	Dcm CG	FD1154	20
FastDigest® NmuCI	↓GTSAC	37	5	5	5	10	2	65°C, 5 min	16	CG	FD1514	20
FastDigest® NotI	GC↓GGCCGC	37	5**	30	5	10	2	80°C, 5 min	16	CG	FD0593 FD0594	20 50
FastDigest® NsiI (Mph1103I)	ATGCA↓T	37	5	5	5	10	3	65°C, 15 min	6	no effect	FD0734	100
FastDigest® NspI (XceI)	RCATG↓Y	37	5	5	5	5	2	65°C, 5 min	16	no effect	FD1474	50
FastDigest® PdmI	GAANN↓NNTTC	37	5	5	5	5	2	65°C, 5 min	16	CG	FD1534	100
FastDigest® PflMI (Van91I)	CCANNNN↓NTGG	37	5	5	5	5	3	65°C, 10 min	6	Dcm	FD0714	100
FastDigest® PfoI	T↓CCNGGA	37	5	5	5	5	3	65°C, 5 min	16	Dam Dcm CG	FD1754	20
FastDigest® PmlI (Eco72I)	CAC↓GTG	37	5	5	5	5	2	80°C, 10 min	4	CG	FD0364	200
FastDigest® PpuMI (Psp5II)	RG↓GWCCY	37	5	5	5	20	2	80°C, 5 min	6	Dcm	FD0764	50
FastDigest® PshAI (BoxI)	GACNN↓NNGTC	37	5	5	5	5	3	80°C, 20 min	16	CG	FD1434	100
FastDigest® PstI (AanI)	TTA↓TAA	37	5	5	5	5	5	65°C, 5 min	16	no effect	FD2064	20
FastDigest® PstI	CTGCA↓G	37	5	5	30	5	3	No***	16	no effect	FD1614	800
FastDigest® PsuI	R↓GATCY	37	5	5	5	5	2	80°C, 5 min	16	no effect	FD1554	150
FastDigest® PsyI	GACN↓NNGTC	37	5	5	5	5	2	80°C, 5 min	4	no effect	FD1334	100
FastDigest® PvuI	CGAT↓CG	37	5	15	5	5	4	80°C, 5 min	16	CG	FD0624	20
FastDigest® PvuII	CAG↓CTG	37	5	5	5	5	1	No***	0.5	no effect	FD0634	400
FastDigest® RsaI	GT↓AC	37	5	5	5	5	3	No***	16	CG	FD1124	100
FastDigest® SacI	GAGCT↓C	37	5	15	30	10	1	65°C, 5 min	16	no effect	FD1133 FD1134	100 200
FastDigest® SalI	G↓TCGAC	37	5	5	60	5	3	65°C, 10 min	16	CG	FD0644	200
FastDigest® SapI (LguI)	GCTCTTC(1/4)↓	37	5	5	5	5	2	65°C, 5 min	16	no effect	FD1934	20
FastDigest® Sau96I (CfrI13)	G↓GNCC	37	5	5	5	5	2	No***	16	Dcm CG	FD0194	100
FastDigest® SbfI (SdaI)	CCTGCA↓GG	37	5	5	5	5	3	80°C, 10 min	1	no effect	FD1194	20
FastDigest® ScaI	AGT↓ACT	37	5	5	5	5	4	65°C, 10 min	16	no effect	FD0434	100
FastDigest® ScrFI (Bme1390I)	CC↓NGG	37	5	5	5	5	4	No***	16	Dcm CG	FD1424	100
FastDigest® SexAI (CsiI)	A↓CCWGGT	37	5	10	5	15	4	65°C, 5 min	16	no effect	FD2114	50
FastDigest® SfaNI (BmsI)	GCATC(5/9)↓	37	5	5	5	5	ND	65°C, 5 min	16	CG	FD2124	20
FastDigest® SfcI (BfmI)	C↓TRYAG	37	5	5	5	5	2	65°C, 5 min	16	no effect	FD1164	20
FastDigest® SmaI	CCC↓GGG	37	5	5	5	5	1	65°C, 5 min	16	CG	FD0663 FD0664	100 200
FastDigest® SnaBI (Eco105I)	TAC↓GTA	37	5	5	5	5	3	65°C, 5 min	16	CG	FD0404	50
FastDigest® SpeI (BcuI)	A↓CTAGT	37	5**	5	5	5	1	No***	16	no effect	FD1253 FD1254	20 50
FastDigest® SphI (PaeI)	GCATG↓C	37	5	5	5	5	5	65°C, 5 min	16	no effect	FD0604	20
FastDigest® SspI	AAT↓ATT	37	5	5	5	30	2	65°C, 5 min	1	no effect	FD0774	100
FastDigest® StyI (Eco130I)	C↓CWWGG	37	5	5	20	20	3	65°C, 5 min	16	no effect	FD0414	200
FastDigest® StuI (Eco147I)	AGG↓CCT	37	5	5	5	5	3	80°C, 10 min	16	Dcm	FD0424	100
FastDigest® SwaI (SmiI)	ATTT↓AAAT	37	5**	20	30	30	2	65°C, 5 min	1	no effect	FD1244	200
FastDigest® TaaI	ACN↓GT	65	5	5	5	5	3	No***	16	CG	FD1364	20
FastDigest® TaiI	ACGT↓	65	5	5	5	5	2	No***	16	CG	FD1144	50
FastDigest® TaqI	T↓CGA	65	5	5	5	5	4	No***	16	Dcm	FD0674	400
FastDigest® Tru1I	T↓TAA	65	5	5	5	10	3	No***	2	no effect	FD0984	50
FastDigest® Tsp509I (TasI)	↓AATT	65	5**	5	5	5	3	No***	6	no effect	FD1354	100
FastDigest® TspRI (TscAI)	CASTG(2/-7)↓	65	5	5	5	5	2	No***	6	no effect	FD2104	100
FastDigest® XapI	R↓AATTY	37	5	5	5	10	4	80°C, 5 min	16	no effect	FD1383 FD1384	50 100
FastDigest® XbaI	T↓CTAGA	37	5	5	5	10	2	65°C, 20 min	16	Dam	FD0684	300
FastDigest® XhoI	C↓TCGAG	37	5	5	5	10	2	80°C, 5 min	16	CG	FD0694	400

Fermentas FastDigest® Restriction Enzymes Set the New Standard

Benefit from their convenience, simplicity and speed:

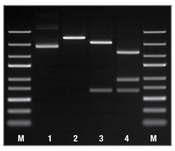
- **One universal buffer** for all digests
- **One temperature** for all digests
- **One µl cuts 1 µg** of DNA
- **Complete digestion in 5 minutes**

Eliminate sequential digestions, buffer changes, star activity concerns, tedious reaction times.

5 Minute Multiple Digestions in the Universal FastDigest® Buffer

Step		Time
1	**Prepare ONE reaction mixture** with: FastDigest® **EcoRI** FastDigest® **KpnI** FastDigest® **SmaI**	~2min
2	**Incubate** at 37°C	5min
	TOTAL time	7min

(hands on time 2min)



M – GeneRuler™ Express DNA Ladder (#SM1551)
1 – plasmid undigested control
2 – plasmid digested with FastDigest® EcoRI
3 – plasmid double digested with FastDigest® EcoRI and FastDigest® KpnI
4 – plasmid triple digested with FastDigest® EcoRI, FastDigest® KpnI and FastDigest® SmaI

Standard Reaction Set-up

Component	Volume: Plasmid DNA	PCR product	Genomic DNA
Water nuclease-free	15 µl	17 µl	30 µl
10X FastDigest® buffer	2 µl	2 µl	5 µl
DNA	2 µl (up to 1 µg)	10 µl (~0.2 µg)	10 µl (5 µg)
FastDigest® enzyme	1 µl	1 µl	5 µl
TOTAL volume	**20 µl**	**30 µl**	**50 µl**

The volume of DNA can be scaled up to 10 µl or down to 0.5 µl depending on the DNA concentration. The volume of water should be corrected to keep the indicated total reaction volume.

Scaling up DNA Digestion Reaction

DNA	1 µg	2 µg	3 µg	4 µg	5 µg
FastDigest® Enzyme	1 µl	2 µl	3 µl	4 µl	5 µl
10X FastDigest® Buffer	2 µl	2 µl	3 µl	4 µl	5 µl
TOTAL volume	20 µl	20 µl	30 µl	40 µl	50 µl

Activity of DNA/RNA Modifying Enzymes in FastDigest® Buffer

DNA/RNA modifying enzyme	Activity in FastDigest® buffer, %
DNA Polymerase I, *E.coli*	100
Klenow Fragment	100
Klenow Fragment, exo⁻	100
T4 DNA Polymerase	100
T7 DNA Polymerase	100
T4 DNA Ligase*	75-100
FastAP™ Thermosensitive Alkaline Phosphatase	100
Shrimp Alkaline Phosphatase	100
T4 Polynucleotide Kinase	100

* 0.5 mM ATP is required for T4 DNA Ligase activity.

* **For digestion of BsmBI** (Esp3I) **add 1 mM DTT; for digestion of AjuI add 0.01 mM SAM.**

** **Other control substrate DNA is used, *see* www.fermentas.com/fastdigest for details**

*** **Phenol/chloroform extraction and ethanol precipitation of DNA is recommended to inactivate the enzyme**.

ND - not determined.

Methylation Sensitivity

Dam Cleavage blocked or impaired by Dam methylation of the target DNA
Dcm Cleavage blocked or impaired by Dcm methylation of the target DNA
CG Cleavage blocked or impaired by CpG methylation of the target DNA
Dam Overlapping Dam methylation may block or impair DNA cleavage
Dcm Overlapping Dcm methylation may block or impair DNA cleavage
CG Overlapping CpG methylation may block or impair DNA cleavage

Single letter code

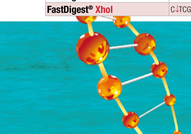
B = C, G or T;	K = G or T;	R = G or A;	W = A or T;
D = A, G or T;	M = A or C;	S = C or G;	Y = C or T;
H = A, C or T;	N = G, A, T or C;	V = A, C or G;	

For detailed information, *see* Certificate of Analysis supplied with each product.

Online Tools

www.fermentas.com/fastdigest
www.fermentas.com/reviewer
www.fermentas.com/research

Our collection of 148 FastDigest® enzymes is continuously being expanded. Visit www.fermentas.com/fastdigest for complete information and an up-to-date list of FastDigest® enzymes.



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