

Performance Chart for Restriction Enzymes

Enzyme	Supplied NEBuffer	% Activity in NEBuffers				Incub. Temp. (°C)	Inactiv. Temp. (°C)	Dil.	Unit Substrate	Methylation Sensitivity	Notes	
		r1.1	r2.1	r3.1	rCutSmart							
BstI	+	AstII	rCutSmart	<10	50*	50	100	37*	B	λ DNA	cd	
BstI		AbsI	rCutSmart +	25	50	50	100	25*	65*	C	T4 wild-type phage DNA (fully gmc-modified)	e
BstI		Acc65I	r3.1	10	75*	100	25	37*	65*	A	pBC4 DNA	cd, d
BstI		Acl	rCutSmart	50	50	10	100	37*	80*	A	λ DNA	cd
BstI		Acl	rCutSmart	<10	25	100	100	37*	65*	A	λ DNA	cd
BstI		Acl	rCutSmart	<10	<10	<10	100	37*	No	B	λ DNA	cd
BstI		Acl	rCutSmart	50	100	50	100	37*	65*	B	λ DNA	1, b, d
BstI		Acl	rCutSmart	25	100	25	100	37*	65*	B	pXba DNA	cd
BstI		AllII	rCutSmart	50	100	10	100	37*	65*	A	ΦX174 RF I DNA	
BstI		AllIII	r3.1	10	50	100	50	37*	80*	B	λ DNA	
BstI		ApaI-HF	rCutSmart	100	50	10	100	37*	65*	A	λ DNA	cd
BstI		AhdI	rCutSmart	25	25	10	100	37*	65*	A	λ DNA	cd, a
BstI		AluI-v2	rCutSmart	<10	<10	<10	100	37*	65*	B	λ DNA	cd
BstI		AluI	rCutSmart	25	100	50	100	37*	80*	B	λ DNA	b
BstI		AluI	rCutSmart	50	50	10	100	37*	No	A	λ DNA (dam-)	cd, 1, b, d
BstI		AluNI	rCutSmart	10	100	50	100	37*	80*	A	λ DNA	cd
BstI		Apal	rCutSmart	25	25	<10	100	37*	65*	A	pXba DNA	cd, d
BstI		ApalI	rCutSmart	100	100	10	100	37*	No	A	λ DNA (HindII digest)	cd
BstI		ApelI	r3.1	25	50	100	10	37*	No	B	λ DNA	cd
BstI		Apel-HF	rCutSmart	10	100	10	100	37*	80*	B	λ DNA	
BstI		Ascl	rCutSmart	<10	10	10	100	37*	80*	A	λ DNA	cd
BstI		AseI	r3.1	<10	50*	100	10	37*	65*	B	λ DNA	3
BstI		AsiSI	rCutSmart	100	100	25	100	37*	80*	B	XbaI digested pXba	cd, 2, b
BstI		Aval	rCutSmart	<10	100	25	100	37*	80*	A	λ DNA	cd
BstI		Avall	rCutSmart	50	75	10	100	37*	80*	A	λ DNA	cd, d
BstI		AvrII	rCutSmart	100	50	50	100	37*	No	B	λ DNA (HindII digest)	
BstI		BaeGI	r3.1	75	75	100	25	37*	80*	A	λ DNA	
BstI		Bael	rCutSmart	50	100	50	100	37*	65*	A	λ DNA	cd, e
BstI		BamHI	r3.1	75*	100*	100*	100*	37*	No	A	λ DNA	3
BstI		BamHI-HF	rCutSmart	100	50	10	100	37*	No	A	λ DNA	
BstI		BanI	rCutSmart	10	25	<10	100	37*	65*	A	λ DNA	cd, d, 1
BstI		BanII	rCutSmart	100	100	50	100	37*	80*	A	λ DNA	2
BstI		BtsI	r2.1	100	100	25	75	37*	65*	B	λ DNA	
BstI		BstI-HF	rCutSmart	10	10	10	100	37*	65*	B	λ DNA	
BstI		BbvCI	rCutSmart	10	100	50	100	37*	No	B	λ DNA	cd, 1, a
BstI		BbvI	rCutSmart	100	100	25	100	37*	65*	B	pBR322 DNA	3
BstI		BccI	rCutSmart	100	50	10	100	37*	65*	A	pXba DNA	3, b
BstI		BcaAI	r3.1	100*	100*	100*	100*	37*	65*	A	pBR322 DNA	cd, 1
BstI		BcgI	r3.1	10	75*	100	50*	37*	65*	A	λ DNA	cd, d, e
BstI		BciVI	rCutSmart	100	25	<10	100	37*	80*	C	λ DNA	b
BstI		BclI	r3.1	50	100	100	75	50*	No	A	λ DNA (dam-)	cd
BstI		Bcl-HF	rCutSmart	100	100	10	100	37*	65*	B	λ DNA (dam-)	
BstI		BclI-D	rCutSmart	50	75	75	100	37*	No	B	λ DNA	cd
BstI		BtaI	rCutSmart	<10	10	<10	100	37*	80*	B	λ DNA	2, b
BstI		BtaI-HF	r3.1	<10	25	100	10	50*	65*	B	λ DNA	cd, 3
BstI		BtgI	r3.1	10	25	100	10	37*	65*	B	λ DNA	cd
BstI		BtgII	r3.1	10	25	100	<10	37*	No	A	λ DNA	d
BstI		BtpI	rCutSmart	50	100	10	100	37*	No	A	λ DNA	cd
BstI		BmgBI	r3.1	<10	10	100	10	37*	65*	B	λ DNA	3, b, d
BstI		BmrI	r2.1	75	100*	75	100*	37*	65*	B	λ DNA (HindII digest)	b
BstI		Bmt-HF	rCutSmart	50	100	10	100	37*	65*	B	pXba DNA	
BstI		BpmI	r3.1	75	100	100	100*	37*	65*	B	λ DNA	2
BstI		Bpu10I	r3.1	10	25	100	25	37*	80*	B	λ DNA	3, b, d
BstI		BpuE1	rCutSmart	50*	100	50*	100	37*	65*	B	λ DNA	d
BstI		BsaAI	rCutSmart	100	100	100	100	37*	No	C	λ DNA	cd
BstI		BsaBI	rCutSmart	50	100	75	100	60*	80*	B	λ DNA (dam-)	cd, d, 2
BstI		BsaHII	rCutSmart	50	100	100	100	37*	80*	C	λ DNA	cd, d
BstI		BsaHF2	rCutSmart	100	100	100	100	37*	80*	B	pXba DNA	
BstI		BsaJII	rCutSmart	50	100	100	100	60*	80*	A	λ DNA	
BstI		BsaWI	rCutSmart	10	100	50	100	60*	80*	A	λ DNA	e
BstI		BsaXI	rCutSmart	50*	100*	10	100	37*	No	C	λ DNA	
BstI		BsaRI	rCutSmart	100	100	75	100	37*	80*	A	λ DNA	d
BstI		BseYI	r3.1	10	50	100	10	37*	65*	B	λ DNA	cd, d
BstI		BsgI	r3.1	100*	100*	100*	100*	37*	65*	B	λ DNA	3
BstI		BspI	r3.1	10	25	100	25	37*	80*	B	λ DNA	
BstI		BspI01	r3.1	10	25	100	25	37*	80*	B	λ DNA	3, b, d
BstI		BspE1	rCutSmart	50*	100	50*	100	37*	65*	B	λ DNA	d
BstI		BsaAI	rCutSmart	100	100	100	100	37*	No	C	λ DNA	cd
BstI		BspBII	rCutSmart	25	100	100	100	37*	80*	A	λ DNA	
BstI		BspCN1	r3.1	100	75	10	100	37*	80*	A	λ DNA	b
BstI		BspDI	rCutSmart	25	75	50	100	37*	80*	A	λ DNA	cd, d
BstI		BspEI	r3.1	<10	10	100	<10	37*	80*	B	λ DNA (dam-)	cd, d
BstI		BspGI	rCutSmart	25	100	10	100	37*	65*	B	λ DNA (HindII digest)	cd, d
BstI		BspMI	r3.1	10	50*	100	10	37*	65*	B	λ DNA	cd
BstI		BspQI	r3.1	100*	100*	100*	100*	50*	65*	B	λ DNA	3
BstI		BspRI	rCut									