

# Diluent A



1-800-632-7799  
info@neb.com  
www.neb.com



B8001S 001121015101

## B8001S

10 ml Lot: 0011210 Exp: 10/15

Store at -20°C

**Description:** Diluent A is recommended for making dilutions of New England Biolabs, Inc. restriction enzymes.

When necessary, we recommend diluting enzymes just prior to use and suggest that the final concentration of diluted enzymes be at least 1,000 units/ml. Enzymes should be stored at their selling concentrations.

Each vial contains 1.3 ml of diluent buffer.

### Diluent A:

50 mM KCl, 10 mM Tris-HCl, (pH 7.4 at 25°C)  
0.1 mM EDTA, 1 mM DTT, 200 µg/ml BSA and  
50% glycerol.

#### These enzymes are compatible with Buffer A:

AatII	BccI	BslI
AccI	BceAI	BsmI
Acc65I	BcgI	BsmFI
AciI	BciVI	BsoBI
AfeI	BclI	Bsp1286I
AflII	BfrBI	BspCNI
AhdI	BfuCI	BspDI
AleI	BglII	BspEI
AlwI	BlpI	BspHI
AlwNI	Bme1580I	BsrBI
ApaI	BmtI	BsrDI
ApaLI	Bpu10I	BsrGI
ApoI	BpuEI	BssHII
AscI	BsaAI	BssKI
AvaI	BsaBI	BstAPI
AvaII	BsaHI	BstBI
BaeI	BsaJI	BstEII
BamHI	BsaWI	BstF5I
BanI	BseRI	BstNI
BanII	BsiEI	BstUI
BbvCI	BsiWI	BstXI

BstYI	HpaI	NruI	SexAI
Bsu36I	HpaII	NsiI	SgrAI
BtgI	Hpy99I	NspI	SmaI
BtgZI	Hpy188I	PacI	SmlI
BtsI	Hpy188III	PaeR7I	SnaBI
Clal	HpyCH4III	PciI	SpeI
CspCI	HpyCH4IV	PflFI	StuI
DdeI	KpnI	PfIMI	StyI
DraI	MboI	PhoI	Tsp45I
DrdI	MboII	PleI	Tsp509I
EaeI	McrBC	PmeI	XbaI
EarI	MfeI	PmlI	XhoI
EciI	MluI	PshAI	XmaI
EcoNI	MlyI	PsiI	XmnI
Eco0109I	MseI	PspGI	ZraI
EcoP15I	MslI	PspOMI	
EcoRV	MspI	PspXI	
FatI	NaeI	PvuII	
FauI	N.AlwI	RsaI	
Fnu4HI	NarI	SacI	
FokI	N.BbvCIA	SacII	
HaeII	N.BbvCIB	Sall	
HaeIII	N.BstNBI	Sau3AI	
HgaI	NciI	Sau96I	
HhaI	NcoI	SbfI	
HinfI	NdeI	ScaI	
HinPII	NgoMIV	ScrFI	

**Note:** These enzyme diluent buffers are not for use with Vent<sub>R</sub>® DNA Polymerases. For diluting Vent<sub>R</sub>® DNA Polymerases, use (NEB #B8004S).

CERTIFICATE OF ANALYSIS

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AflII	BfrBI	BspCNI
AhdI	BfuCI	BspDI
AleI	BglII	BspEI
AlwI	BlpI	BspHI
AlwNI	Bme1580I	BsrBI
ApaI	BmtI	BsrDI
ApaLI	Bpu10I	BsrGI
ApoI	BpuEI	BssHII
AscI	BsaAI	BssKI
AvaI	BsaBI	BstAPI
AvaII	BsaHI	BstBI
BaeI	BsaJI	BstEII
BamHI	BsaWI	BstF5I
BanI	BseRI	BstNI
BanII	BsiEI	BstUI
BbvCI	BsiWI	BstXI

BstYI	HpaI	NruI	SexAI
Bsu36I	HpaII	NsiI	SgrAI
BtgI	Hpy99I	NspI	SmaI
BtgZI	Hpy188I	PacI	SmlI
BtsI	Hpy188III	PaeR7I	SnaBI
Clal	HpyCH4III	PciI	SpeI
CspCI	HpyCH4IV	PflFI	StuI
DdeI	KpnI	PfIMI	StyI
DraI	MboI	PhoI	Tsp45I
DrdI	MboII	PleI	Tsp509I
EaeI	McrBC	PmeI	XbaI
EarI	MfeI	PmlI	XhoI
EciI	MluI	PshAI	XmaI
EcoNI	MlyI	PsiI	XmnI
Eco0109I	MseI	PspGI	ZraI
EcoP15I	MslI	PspOMI	
EcoRV	MspI	PspXI	
FatI	NaeI	PvuII	
FauI	N.AlwI	RsaI	
Fnu4HI	NarI	SacI	
FokI	N.BbvCIA	SacII	
HaeII	N.BbvCIB	Sall	
HaeIII	N.BstNBI	Sau3AI	
HgaI	NciI	Sau96I	
HhaI	NcoI	SbfI	
HinfI	NdeI	ScaI	
HinPII	NgoMIV	ScrFI	

**Note:** These enzyme diluent buffers are not for use with Vent<sub>R</sub>® DNA Polymerases. For diluting Vent<sub>R</sub>® DNA Polymerases, use (NEB #B8004S).

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