

# Diluent A



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



B8001S 001170320031

## B8001S

5 ml Lot: 0011703 Exp: 3/20

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	BsII
AccI	BceAI	BsmI
Acc65I	BcgI	BsmFI
Acil	BciVI	BsoBI
AfeI	BclI	Bsp1286I
AflIII	BfrBI	BspCNI
AhdI	BfuCI	BspDI
AleI	BglIII	BspEI
AlwI	BlpI	BspHI
AlwNI	Bme1580I	BsrBI
Apal	BmtI	BsrDI
ApaLI	Bpu10I	BsrGI
ApoI	BpuEI	BssHII
AscI	BsaAI	BssKI
AvaI	BsaBI	BstAPI
Avall	BsaHI	BstBI
BaeI	BsaJI	BstEII
BamHI	BsaWI	BstF5I
BanI	BseRI	BstNI
BanII	BsiEI	BstUI
BbvCI	BsiWI	BstXI

BstYI	HpaI	NruI
Bsu36I	HpaII	Nsil
BtgI	Hpy99I	NspI
BtgZI	Hpy188I	Pacl
BtsI	Hpy188III	PaeR7I
Clal	HpyCH4III	Pcil
CspCI	HpyCH4IV	PfiFI
Ddel	KpnI	PfiMI
DraI	MboI	PhoI
DrdI	MboII	PleI
EaeI	McrBC	PmeI
EarI	MfeI	PmlI
Ecil	MluI	PshAI
EcoNI	MlyI	Psil
Eco0109I	MseI	PspGI
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	Ncil	Sau96I
HhaI	NcoI	SbfI
Hinfl	NdeI	Scal
HinP1I	NgoMIV	ScrFI

SexAI
SgrAI
SmaI
SmlI
SnaBI
SpeI
StuI
StyI
Tsp45I
Tsp509I
XbaI
XhoI
XmaI
XmnI
ZraI

**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 #B8004).



NEW ENGLAND BIOLABS® and VENT® are registered trademarks of New England Biolabs, Inc.

This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

CERTIFICATE OF ANALYSIS

# Diluent A



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



B8001S 001170320031

## B8001S

5 ml Lot: 0011703 Exp: 3/20

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	BsII
AccI	BceAI	BsmI
Acc65I	BcgI	BsmFI
Acil	BciVI	BsoBI
AfeI	BclI	Bsp1286I
AflIII	BfrBI	BspCNI
AhdI	BfuCI	BspDI
AleI	BglIII	BspEI
AlwI	BlpI	BspHI
AlwNI	Bme1580I	BsrBI
Apal	BmtI	BsrDI
ApaLI	Bpu10I	BsrGI
ApoI	BpuEI	BssHII
AscI	BsaAI	BssKI
AvaI	BsaBI	BstAPI
Avall	BsaHI	BstBI
BaeI	BsaJI	BstEII
BamHI	BsaWI	BstF5I
BanI	BseRI	BstNI
BanII	BsiEI	BstUI
BbvCI	BsiWI	BstXI

BstYI	HpaI	NruI
Bsu36I	HpaII	Nsil
BtgI	Hpy99I	NspI
BtgZI	Hpy188I	Pacl
BtsI	Hpy188III	PaeR7I
Clal	HpyCH4III	Pcil
CspCI	HpyCH4IV	PfiFI
Ddel	KpnI	PfiMI
DraI	MboI	PhoI
DrdI	MboII	PleI
EaeI	McrBC	PmeI
EarI	MfeI	PmlI
Ecil	MluI	PshAI
EcoNI	MlyI	Psil
Eco0109I	MseI	PspGI
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	Ncil	Sau96I
HhaI	NcoI	SbfI
Hinfl	NdeI	Scal
HinP1I	NgoMIV	ScrFI

SexAI
SgrAI
SmaI
SmlI
SnaBI
SpeI
StuI
StyI
Tsp45I
Tsp509I
XbaI
XhoI
XmaI
XmnI
ZraI

**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 #B8004).



NEW ENGLAND BIOLABS® and VENT® are registered trademarks of New England Biolabs, Inc.

This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

CERTIFICATE OF ANALYSIS