

## Taq DNA Polymerase

NEB provides recombinant *Taq* DNA Polymerase of the highest quality at exceptional value. Our expanded selection of *Taq* based products includes kits, master mixes, and a choice of reaction buffers.

### New LongAmp Taq DNA Polymerase RR

- Robust amplification of PCR products
- Amplification up to 40 kb from low complexity templates and up to 30 kb from difficult templates (e.g. human genomic DNA)
- Increased fidelity compared to *Taq* DNA Polymerase alone

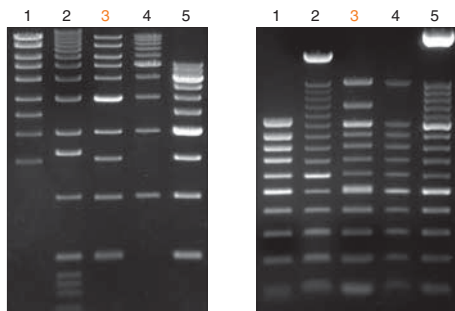
LongAmp *Taq* DNA Polymerase

M0323S	500 units
M0323L	2,500 units

PATENTS/DISCLAIMER: Some applications in which DNA polymerases from NEB can be used may be covered by patents issued and applicable in the United States and certain other countries. Because purchase of these products does not include a license to perform any patented application, users of these products may be required to obtain a patent license depending upon the particular application in which the product is used.

## Quick-Load DNA Ladders

- Ready-to-load
- Stable at room temperature
- Sharp uniform bands
- Easy-to-identify reference bands
- No extra backbone DNA present



**1 kb DNA Ladder:**  
Lane 1: Fermentas, Lane 2:  
Invitrogen, Lane 3: NEB,  
Lane 4: Promega, Lane 5:  
Roche (500 bp)

**100 bp DNA Ladder:**  
Lane 1: Fermentas, Lane 2:  
Invitrogen, Lane 3: NEB,  
Lane 4: Promega, Lane 5:  
Roche

### Quick-Load 100 bp DNA Ladder

#N0467S 125 lanes

### Quick-Load 1 kb DNA Ladder

#N0468S 125 lanes

## Fast and Robust PCR

### Phusion High-Fidelity DNA Polymerase

New England Biolabs now offers a select number of PCR-licensed products\*\* produced by Finnzymes Oy of Finland. These products include Phusion™ High-Fidelity DNA Polymerase for extremely accurate and robust PCR.

- **Extreme Fidelity** – Highest of any commercial thermostable polymerase (50X greater than *Taq*)
- **Robustness** – Reduce reaction failures with minimal optimization
- **High Speed** – Reduce extension times dramatically: 5X faster than *Pyrococcus furiosus*
- **High Yields** – Increase product yields with minimal enzyme amounts

### Phusion High-Fidelity DNA Polymerase RR

#F-530S	200 reactions
#F-530L	1,000 reactions

For a complete listing of Phusion products available, see reverse side.

Phusion, is a trademark of Finnzymes Oy.

\*\*Licensed for PCR: PCR and other licensing information are fully described on data cards, accompanying manuals and at [http://www.neb.com/nebecomm/tech\\_reference/finnzymes/phusion\\_overview.asp](http://www.neb.com/nebecomm/tech_reference/finnzymes/phusion_overview.asp) and [http://www.neb.com/nebecomm/tech\\_reference/finnzymes/dynamo\\_overview.asp](http://www.neb.com/nebecomm/tech_reference/finnzymes/dynamo_overview.asp)

## Protein Ladder

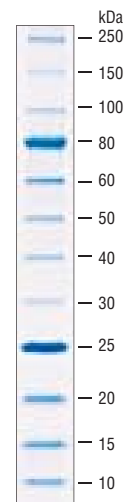
Achieve accuracy in your protein expression analysis

- Suitable for analysis of a wide range of proteins
- Sharp, uniform bands
- Convenient band spacing for accurate molecular weight determination
- Easy-to-identify reference bands
- Value pricing

### Protein Ladder (10–250 kDa)

#P7703S 100 mini-gel lanes

The Protein Ladder (NEB #P7703) offers a more consistent banding pattern than other commercially available ladders, making it the ideal choice for accurate size determination. 10–20% SDS-PAGE



# Freezer Program



**New England Biolabs, Inc.**  
240 County Road  
Ipswich, MA 01938-2723

[www.neb.com](http://www.neb.com)

### Technical Support

(Mon. – Fri. 9:00 am – 5:00 pm EST)  
Tel. (800) 632-7799 or <[info@neb.com](mailto:info@neb.com)>, or  
<[www.neb.com/nebecomm/tech\\_support.asp?](http://www.neb.com/nebecomm/tech_support.asp?)>

### Freezer Program Locator

<[www.neb.com/nebecomm/freezer\\_locator.asp?](http://www.neb.com/nebecomm/freezer_locator.asp?)>

New England Biolabs, Inc. is an ISO 9001 Certified Company.

# New England Biolabs Freezer Program Inventory



Cat.#	Description	Units	Price
<b>Restriction Endonucleases</b>			
R0117S	AatII	500	\$46.64
R0161S	AccI	500	\$58.08
R0552S	AgeI	250	\$53.68
R0514S	AlwNI	500	\$53.68
R0114S	ApaI	5,000	\$55.44
R0558S	AscI	500	\$53.68
R0174S	AvrII	100	\$55.44
R0136S	BamHI	10,000	\$46.64
R0144S	BglII	2,000	\$46.64
R0585S	BlnI	500	\$58.08
R0535S	BsaI	1,000	\$53.68
R0540S	BspEI	1,000	\$53.68
R0517S	BspHI	500	\$53.68
R0199S	BssHII	200	\$51.04
R0162S	BstEII	2,000	\$46.64
R0197S	Clal	1,000	\$51.04
R0176S	DpnI	1,000	\$51.04
R0129S	DraI	2,000	\$51.04
R0101S	EcoRI	10,000	\$46.64
R0195S	EcoRV	4,000	\$46.64
R0104S	HindIII	10,000	\$46.64
R0105S	HpaI	500	\$49.28
R0544S	KasI	250	\$53.68
R0142S	KpnI	3,000	\$46.64
R0589S	MfeI	500	\$58.08
R0198S	MluI	1,000	\$51.04
R0534S	MscI	250	\$55.44
R0193S	NcoI	1,000	\$49.28
R0111S	NdeI	4,000	\$51.04
R0131S	NheI	1,000	\$53.68
R0189L	NotI	2,500	\$232.32
R0189S	NotI	500	\$58.08
R0547L	PacI	1,250	\$214.72
R0547S	PacI	250	\$53.68
R0655S	PciI	200	\$63.36
R0560S	PmeI	500	\$58.08
R0532S	PmlI	2,000	\$51.04
R0140S	PstI	10,000	\$51.04
R0150S	PvuI	300	\$55.44
R0151S	PvuII	5,000	\$46.64
R0501S	RsrII	200	\$58.08
R0156S	SacI	2,000	\$46.64
R0157S	SacII	2,000	\$49.28
R0138S	SalI	2,000	\$49.28
R0122S	ScaI	1,000	\$51.04
R0141S	SmaI	2,000	\$49.28
R0133S	SpeI	500	\$53.68
R0182S	SphI	500	\$53.68
R0187S	StuI	1,000	\$49.28
R0604S	SwaI	2,000	\$53.68
R0145S	XbaI	3,000	\$55.44
R0146S	XhoI	5,000	\$55.44
R0180S	XmaI	500	\$53.68

Cat.#	Description	Units	Price
<b>Polymerases</b>			
M0267S	Taq DNA Polymerase with ThermoPol Buffer	400	\$51.04
M0267L	Taq DNA Polymerase with ThermoPol Buffer	2,000	\$204.16
M0273S	Taq DNA Polymerase with Standard Taq Buffer	400	\$51.04
M0273L	Taq DNA Polymerase with Standard Taq Buffer	2,000	\$204.16
E5000S	Taq PCR Kit	200 rxns	\$83.60
M0254S	Vent DNA Polymerase	200	\$53.68
M0269S	phi29 DNA Polymerase	250	\$53.68
M0210S	DNA Polymerase I, Klenow Fragment	200	\$46.64
F-530S	Phusion™ High-Fidelity DNA Polymerase	100	\$88.00
F-530L	Phusion™ High-Fidelity DNA Polymerase	500	\$352.00
F-553S	Phusion™ High-Fidelity PCR Kit	50 rxns	\$54.56
F-540S	Phusion™ Hot Start High-Fidelity DNA Polym.	100	\$105.60
F-541S	Phusion™ Site-Directed Mutagenesis Kit	20 rxns	\$123.20
M0323S	LongAmp Taq DNA Polymerase	500	\$66.00
M0324S	Crimson Taq DNA Polymerase	200	\$38.72
F-120S	Phire™ Hot Start DNA Polymerase	200 rxns	\$96.80
M0270S	Taq 2X Master Mix	100 rxns	\$55.44
M0285S	Taq 5X Master Mix	100 rxns	\$55.44
F-546S	Phusion RT-PCR Kit	20 rxns	\$83.60

<b>DNA Modifying Enzymes</b>			
M0290S	Alkaline Phosphatase, CIP	1,000	\$51.04
M0289S	Antarctic Phosphatase	1,000	\$51.04
M0303S	DNase I (RNase-Free)	1,000	\$55.44
M0202S	T4 DNA Ligase	20,000	\$55.44
M0202T	T4 DNA Ligase HC	20,000	\$55.44
M0202L	T4 DNA Ligase	100,000	\$221.76
M0202M	T4 DNA Ligase HC	100,000	\$221.76
M2200S	Quick Ligation Kit	30 rxns	\$83.60
E1201S	Quick Blunting Kit	20 rxns	\$61.60
M0203S	T4 DNA Polymerase	150	\$51.04
M0201S	T4 Polynucleotide Kinase	500	\$46.64
M0201L	T4 Polynucleotide Kinase	2,500	\$186.56

<b>DNA/Molecular Weight Standards/Nucleic Acids/Protein Tools</b>			
N3233S	Low Molecular Weight DNA Ladder	100 gel lanes	\$53.68
N3231L	100 bp DNA Ladder	500 gel lanes	\$214.72
N3232S	1 kb DNA Ladder	200 gel lanes	\$53.68
N3232L	1 kb DNA Ladder	1,000 gel lanes	\$214.72
N3200S	2-Log DNA Ladder	100 gel lanes	\$53.68
N3033L	pBR322 DNA	250 ug	\$214.72
N7552S	Biotinylated dNTP Mixture	0.125 ml	\$110.00
N0447S	Deoxynucleotide Solution Mix	8 umol of ea	\$55.44
P7708S	Prestained Prot Mkr, Broad (Premixed)	175 gel lanes	\$83.60
P8102S	Proteinase K	60 mg	\$58.08
B9001S	BSA	6.0 mg	\$8.80
T0300S	NEB Floatie Pack	Pack	\$8.80

*New Products in the NEB Freezer Program*

■ = Recombinant

HC = High Concentration

## The NEB Freezer Program at University of Rochester Medical Center Biological Supply Center

### ■ Features

Restriction Enzymes, Polymerases, DNA/Modifying Enzymes, Reagents, Molecular Weight Standards, Nucleic Acids and Protein Tools.

### ■ Location

NEB Freezer on the ground floor of the Medical School (S-Wing) in Room G-8633

Hours of operation: Monday - Friday  
8:30am - 4:30pm

(Closed between 12 Noon and 1PM)

### ■ Contact at the Biological Supply

Bill Smith

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[www.urmc.rochester.edu/mcphoto](http://www.urmc.rochester.edu/mcphoto)

### ■ New England Biolabs

Lars Tragethon

Tel. (978) 380-7387, or

e-mail: <[tragethon@neb.com](mailto:tragethon@neb.com)>

[www.neb.com](http://www.neb.com) → Freezer Program → Freezer Program Locator → NY → University of Rochester Medical Center

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