



## CRISPR

GoldBio's Cas9 Nuclease is designed for CRISPR/Cas9 genome editing and is free from detectable RNase, endonuclease (nicking) and nonspecific DNase activities.

### Components

- Cas9 Nuclease (160 ng/μl (1 μM))
- 10x Cas9 Nuclease Reaction Buffer

**Storage/Handling:** Store at -20°C. Product may be shipped on blue ice

### Cas9 Nuclease (1 μM)

C-519-250 250 μl

### Cas9 Nuclease (10 μM)

C-529-50 50 μl

C-529-250 250 μl

# CLONING, PCR AND DNA ELECTROPHORESIS

## Cloning Enzymes

### Hot Start Pfu DNA Polymerase D

P-650-40 40 μl  
P-650-200 200 μl

### Hot Start Taq DNA Polymerase D

T-510-40 40 μl  
T-510-200 200 μl

### Pfu DNA Polymerase D

P-665-40 40 μl  
P-665-200 200 μl

### T4 DNA Polymerase

T-412-25 25 μl  
T-412-100 100 μl

### Taq DNA Polymerase D

T-514-500 500 μl  
T-514-5 5 ml

D: Separate pack options available with dNTP Mix.

### T4 DNA Helicase (gp41)

T-417-1 1 ml  
T-417-5 5 ml

### T4 DNA Ligase - 400 units/μl

T-410-50 50 μl  
T-410-250 250 μl

### T4 DNA Ligase - 2,000 units/μl

T-411-50 50 μl  
T-411-200 200 μl

### T4 Polynucleotide Kinase (PNK)

T-413-50 50 μl  
T-413-250 250 μl

### T4 UvsX DNA Recombinase

T-414-50 50 μl  
T-414-250 250 μl

## Goof-Proof™ Master Mixes

Goof-Proof™ allows you to quickly and easily see if you forgot to add the master mix or the template to any of your reactions, preventing pipetting mistakes, wasted time, reagents and money.

### Goof-Proof™ qPCR Master Mix

G-700-1 1 ml  
G-700-5 5 x 1 ml

### Goof-Proof™ qPCR Master Mix with ROX

G-705-1 1 ml  
G-705-5 5 x 1 ml



**A)** 1x Goof-Proof™ Master Mix. **B)** 1x Goof-Proof™ Master Mix after adding 1X Goof-Proof™ Template Buffer

### Goof-Proof™ Universal Probe Master Mix

G-710-1 1 ml  
G-710-5 5 x 1 ml

### Goof-Proof™ Universal Probe Master Mix with ROX

G-715-1 1 ml  
G-715-5 5 x 1 ml



**A)** Reaction after adding template with 1X Goof-Proof™ Tracking Buffer

## Hot Start Master Mixes

### Hot Start Taq 2x Master Mix - 20 µl Reaction

T-513-100 100 reactions  
T-513-500 500 reactions

### Hot Start Taq 2x Master Mix - 50 µl Reaction

T-512-100 100 reactions  
T-512-500 500 reactions

### Pfu 2x DNA Polymerase Master Mix

P-660-50 50 reactions  
P-660-200 200 reactions







## CLONING, PCR AND DNA ELECTROPHORESIS

### dNTP Mix

**dNTP Mix**

D-900-1	1 ml
D-900-2	2 x 1 ml
D-900-4	4 x 1 ml
D-900-10	10 x 1 ml



### EvaGreen® Dyes

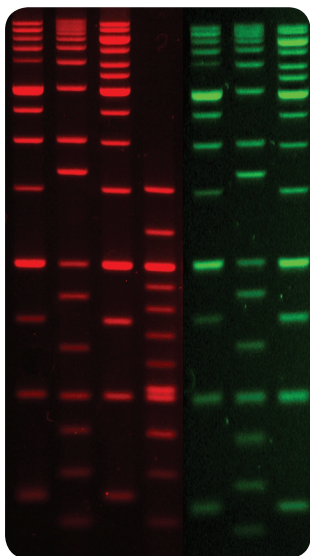
- Ideal for qPCR
- Costs hundreds less than SYBR® Green I
- Safe & sensitive
- FAM & SYBR® Green I alternatives

**EvaGreen® Dye 20X in Water**

E-670-1	1 ml*
E-670-5	5 x 1 ml
*Trial Size	

**EvaGreen® Dye 2,000X in DMSO**

E-675-50	50 µl
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**GelRed™ & GelGreen™**

- EtBr replacement, and uses the same UV transilluminator settings
- SYBR® Safe replacement (GelGreen™)
- Safe & sensitive staining

**GelRed™ Nucleic Acid Gel Stain  
10,000X in Water**

G-725-100	100 µl*
G-725-500	500 µl
G-725-1	2 x 500 µl
G-725-2	4 x 500 µl
G-725-10	10 ml
*Trial size	

**GelRed™ Nucleic Acid Gel Stain  
10,000X in DMSO**

G-720-500	500 µl
G-720-10	10 ml

**GelGreen™ Nucleic Acid Gel Stain  
10,000X in Water**

G-745-100	100 µl*
G-745-500	500 µl
G-745-1	2 x 500 µl
G-745-2	4 x 500 µl
G-745-10	10 ml
*Trial size	

**GelGreen™ Nucleic Acid Gel Stain  
10,000X in DMSO**

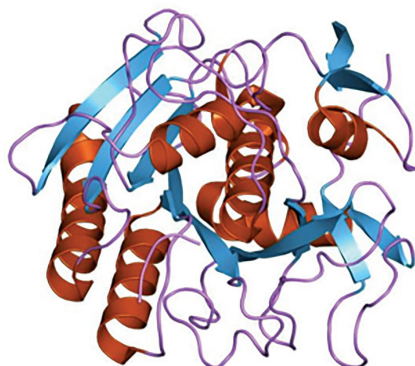
G-740-500	500 µl
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**Proteinase K****Proteinase K, RNase/DNase Free**

P-480-100	100 mg
P-480-500	5 x 100 mg
P-480-1	1 g
P-480-2	2 x 1 g
P-480-5	5 x 1 g

**Proteinase K Solution 20 mg/ml**

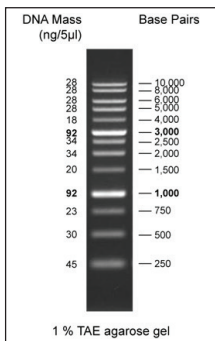
P-480-SL2	2 ml
P-480-SL4	2 x 2 ml
P-480-SL10	5 x 2 ml





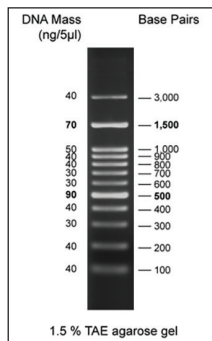
# CLONING, PCR AND DNA ELECTROPHORESIS

## DNA Ladders



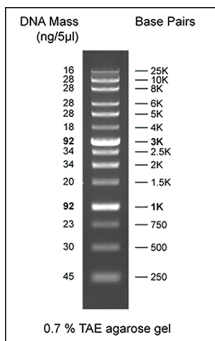
### 1 kb DNA Ladder

D010-500	1x500 µl
D010-1000	2x500 µl
D010-1500	3x500 µl
D010-2000	4x500 µl
D010-2500	5x500 µl
D010-3000	6x500 µl



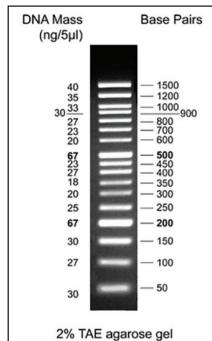
### 100 bp PLUS™ DNA Ladder

D003-500	1x500 µl
D003-1000	2x500 µl
D003-1500	3x500 µl
D003-2000	4x500 µl
D003-2500	5x500 µl
D003-3000	6x500 µl



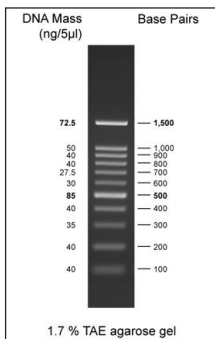
### 1 kb PLUS™ DNA Ladder

D011-500	1x500 µl
D011-1000	2x500 µl
D011-1500	3x500 µl
D011-2000	4x500 µl
D011-2500	5x500 µl
D011-3000	6x500 µl



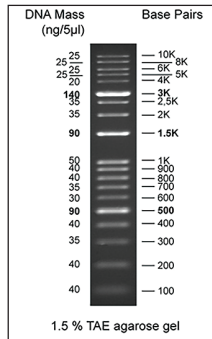
### 50 bp DNA Ladder

D100-500	1x500 µl
D100-1000	2x500 µl
D100-1500	3x500 µl
D100-2000	4x500 µl
D100-2500	5x500 µl
D100-3000	6x500 µl



### 100 bp DNA Ladder

D001-500	1x500 µl
D001-1000	2x500 µl
D001-1500	3x500 µl
D001-2000	4x500 µl
D001-2500	5x500 µl
D001-3000	6x500 µl



### VersaLadder™, 100-10,000 bp

D012-500	1x500 µl
D012-1000	2x500 µl
D012-1500	3x500 µl
D012-2000	4x500 µl
D012-2500	5x500 µl
D012-3000	6x500 µl

## Agarose

GoldBio agaroses have a superior resolution and low EEO, promoting electrophoretic mobility and minimal band distortion. Agaroses are available for a wide range of nucleotide sizes, including very small sized nucleotides.

### Agarose LE (Molecular Biology Grade)

A-201-100	100 g
A-201-500	500 g
A-201-1000	1 kg

### High Resolution Agarose (For Nucleotides < 1kb)

A-202-100	100 g
A-202-500	500 g

### Low Melt Agarose

A-204-25	25 g
A-204-100	100 g

### PFGE Agarose

A-092-25	25 g
A-092-100	100 g
A-092-500	500 g

## TAE Buffers

### EDTA Disodium, Dihydrate

E-210-100	100 g
E-210-500	500 g
E-210-1	1 kg

### Tris (Tris Base)

T-400-500	500 g
T-400-1	1 kg
T-400-5	5 kg

### Tris HCl

T-095-100	100 g
T-095-250	250 g
T-095-500	500 g
T-095-1	1 kg
T-095-2	2 kg
T-095-5	5 kg

