

### ★ Storage

Store at -20°C.

Stable for at least 3 months at 4°C.

### ✎ Contents

- Product Manual
- 100bp DNA ladder(0.5ug/ul), composed of proprietary plasmids are digested to completion with appropriate restriction enzymes in 10mM Tris-HCl ( pH8.0 at 25 °C ), 1mM EDTA

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

### ★ Shipping Condition

Ship with ice pack.

### ★ Introduction

The 100bp DNA ladder consists of proprietary plasmids are digested to completion with appropriate restriction enzymes to yield 12 bands suitable for use as molecular weight standards for agrose gel electrophoresis. The digested DNA includes fragments ranging from 100 - 1,517 base pairs. The 500 and 1,000 base pairs bands have increased intensity to serve as reference points.

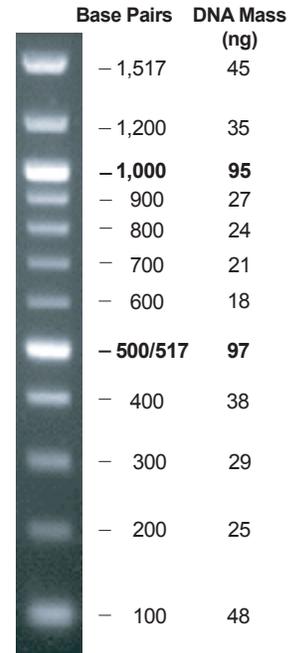
### ★ Recommendations

- Recommended load : 0.5ug
- 100bp DNA ladder was not designed for precise quantification of DNA mass, but can be used for approximating the mass of DNA in comparably intense samples of similar size. The approximate mass of DNA in each of the bands in 100bp DNA ladder is as following picture (assuming a 0.5ug loading).
- Dilute in TE or other buffer of minimal ionic strength. DNA may denature if diluted in dH<sub>2</sub>O.

### ★ Related Product

Product Name	Cat No
amfiSure PCR Master Mix(2x)	P0311
EtBr Stock Solution, 10mg/ml	E0205
SafePinky DNA Gel Staining Solution(10,000X)	S1001
iVDye 100bp DNA Ladder	V1002
iVDye 1Kb DNA Ladder	V1004
100bp PCR Ranger DNA Marker, 100bp-To-3Kb	D1108
1Kb PCR Ranger DNA Marker, 75bp-To-20Kb	D1109

### ★ Note



0.5ug of 100bp DNA ladder stained with ethidium bromide on a 1.2% agarose gel in 1X TBE.