



### 1 kb DNA Ladder

Ready to Load

Cat. No.	Pack Size	Conc.
07-12-0000S	2.5 µg	0.1 µg/µl
07-12-00050	50 µg	0.1 µg/µl

For *in vitro* use only

#### Description:

The 1 kb DNA Ladder is a ready-to-use molecular weight marker suitable for DNA fragment size determination on gel electrophoresis. The 1 kb DNA Ladder is formulated to run accurately and to provide crisp band patterns. It contains two dyes: bromophenol blue and xylene cyanole which serve as visual aid to monitor the progress of migration during agarose gel electrophoresis. The 1 kb DNA Ladder contains 13 discrete DNA fragments ranging from 300 bp to 10,000 bp.

	bp	ng/10µl
—	10,000	80
—	8,000	80
—	6,000	80
—	5,000	80
—	4,000	80
—	3,000	120
—	2,500	123
—	2,000	81
—	1,500	73
—	1,000	41
—	700	57
—	500	61
—	300	44

#### Concentration:

0.1 µg/µl

#### Size range:

300 – 10,000 bp

#### No of Bands:

13

#### Recommendations:

For best results, please load 5-10 µl of the 1 kb DNA Ladder per well.

#### Storage solution:

10 mM EDTA, 10% glycerol, 0.015% bromophenol blue, 0.015% xylene cyanole and 0.17% SDS.

#### Shipping and Storage conditions:

Shipping and storage for up to 9 months at room temperature has no detrimental effects on the quality of this reagent. -20°C is recommended for long term storage.

#### Safety warnings and precautions:

This product and its components should be handled only by persons trained in laboratory techniques. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

*Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required*

#### Related products:

Product name	Pack size	Cat. No.
<b>FIREPol<sup>®</sup> DNA Polymerase</b>	500 U	01-01-00500
<b>FIREPol<sup>®</sup> DNA Polymerase</b>	1000 U	01-01-01000
<b>FIREPol<sup>®</sup> DNA Polymerase</b>	2000 U	01-01-02000
<b>HOT FIREPol<sup>®</sup> DNA Polymerase</b>	500 U	01-02-00500
<b>HOT FIREPol<sup>®</sup> DNA Polymerase</b>	1000 U	01-02-01000
<b>dNTP SET (100 mM)</b>	4 x 25 µmol	02-21-00100
<b>dNTP SET (100 mM)</b>	4 x 100 µmol	02-21-00400
<b>dNTP MIX (20 mM of each)</b>	20 µmol	02-31-00020
<b>dNTP MIX (20 mM of each)</b>	100 µmol	02-31-00100