

FS-MW-006 100 bp DNA Ladder with stain

DESCRIPTION:

The 100 bp DNA Ladder has a number of proprietary plasmids which are digested to completion with appropriate restriction enzymes to yield 10 bands suitable for use as molecular weight standards for agarose gel electrophoresis.

Base Pairs	DNA Mass, ng	Base Pairs	DNA Mass, ng
1.000	190	500	130
900	170	400	80
800	150	300	40
700	90	200	40
600	110	100	40

CONCENTRATION: 200 ug/ml

PACK SIZE: 50 µg

The recommended amount of size marker to load on an agarose gel is 1 µg per lane (10 µl)

Amount of the dye to be added: 1/10 of sample volume

(1 µg of the DNA Ladder = 5 µl, so to prepare mix for loading you need 4,5 µl of the marker + 0,5 µl of the buffer)

Supplied in: 10 mM Tris-HCl (pH 8.0), 1.0 mM EDTA, 50 Mm NaCl.

Loading Buffer 10X: 0.01 Bromophenol blue, 0.25 M EDTA, 50% glycerol.

Usage recommendation: The 100 bp DNA Ladder was not designed for precise quantification of DNA mass, but can be used for approximating sample DNA mass by comparing the intensity of similar size bands.

1 µg of 100bp DNA Ladder visualized by ethidium bromide staining on 1,7 % TAE agarose gel

Procedure:

50 ug of 100 bp Ladder can perform from 50 up 100 reactions, depending on the quantity of the Ladder you will load each time.

We recommend to use:

1-3 ul of DNA Ladder for 2-3 mm wells

4-5 ul of DNA Ladder for 4-6 mm wells

