

DATASHEET

Version: 201807

Ready-to-Use™ Plus 100 bp DNA Ladder

Cat. No.: M105R-500

Volume: 500 µl

Category: DNA Marker

Description:

Ready-to-Use™ Plus 100 bp DNA Ladder is composed of 8 bands which are 100 bp, 250 bp, 500 bp, 750 bp, 1000 bp, 1500 bp, 2000 bp and 3000 bp. The 500 bp band (120 ng/5 µl) with two times concentration are distinguished easily from others.

Concentration: 900 ng/5µl

6X DNA loading buffer: 30mM EDTA, 36% Glycerol, 0.06% Bromophenol Blue , pH7.0

Storage Buffer: 10 mM Tris-HCl (pH8.0), 1 mM EDTA

Storage: The product stored at -20°C. Keep container tightly closed. Keep container in a cool, well-ventilated area. Once opened, store this product at 4°C and as soon as possible to avoid contamination.

Application: Apply 5µl of DNA ladder on agarose gel.

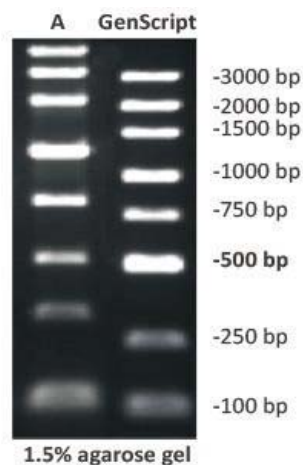
Quality Control:

- Agarose gel analysis shows that the bands between 100 bp and 3000 bp are accurate in size and distinguishable. The 500 bp band is 2 times more intense than any other band.
- Incubation of 5 µl of the DNA Marker in restriction enzyme buffer overnight at 37°C shows absence of visible degradation.

Note:

- Ready-to-use™ format is premixed with DNA loading buffer containing 6% Glycerol, 0.01% Bromophenol Blue.
- It is recommend that the DNA Marker is loaded on high percentage Agarose TBE (>1%) and run in 1X TBE.

Example:



Supplier A: 100 bp, 300 bp, 500 bp, 800 bp, 1200 bp, 2000 bp, 3000 bp, 4500 bp
GenScript: 100 bp, 250 bp, 500 bp, 750 bp, 1000 bp, 1500 bp, 2000 bp, 3000 bp