

200bp DNA Step Ladder

#G4668 100 lanes (50µg)

Concentration: 0.5µg/µl

Store at -20°C

Spin tubes briefly before use

Quality control report

Analysis of 0.5µg (1µl) of the DNA ladder on agarose gel by ethidium bromide staining generates 10 discrete bands pattern.

Description

200bp DNA Step Ladder is a mix of 10 blunt ended DNA fragments ranging from 200bp to 2000bp in 200bp increments upto 1000bp. For the proper identification 1kb bands are more intense. G4668 is ready-to-use premixed with 6X DNA Loading Dye for direct loading on gel.

Protocol for Loading

- Step 1: Mix gently
- Step 2: Load 1 µl per lane

Following electrophoretic separation on gel, visualize the DNA bands by ethidium bromide staining.

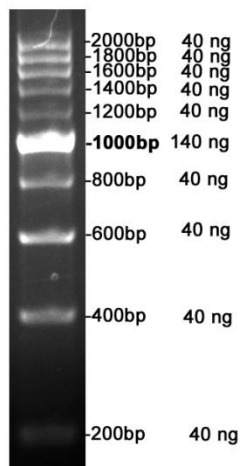
Recommendations

1. Do not heat before loading.
2. Dilute your DNA sample with the 6X DNA Loading Dye: mix 1 volume of the dye solution with 5 volumes of the DNA sample.
3. Load the same volumes of the DNA sample and the DNA ladder for quantification; adjust the concentration of the sample to equalize it approximately with the amount of DNA in the nearest band of the ladder.

The DNA ladder consists of the following 10 discrete fragments (in base pairs): 2000, 1800, ,1600. 1400, 1200, 1000, 800, 600, 400, and 200.

Storage condition

40% sucrose, 0.15% Orange G, 0.03% Xylene Cyanol



1µl of ladder was electrophoresed on 2% agarose TAE gel. Band size and relative amount is mentioned.