

1 kb DNA Step Ladder Plus (upto 20kb)

#G4669

100 lanes

Concentration: 0.1µg/µl

Storage: -20°C

Spin tubes briefly before use

Description

1kb DNA Step Ladder Plus is a mix of 14 blunt ended DNA fragments ranging from 250 bp to 20 kb in 1 kb increments from 3-6 kb. For the proper identification 1000 bp, 3000 bp bands are more intense. G4669 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 5 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 15 discrete fragments (in bp): 250, 500, 750, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 8000, 10000, 20000.

