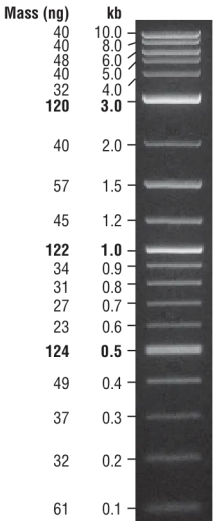
Protocol for Quick-Load Purple 1kb Plus DNA Ladder (N0550)

Overview

1. Load 5-10 µl (0.5-1 µg) of Quick-Load Purple 1kb Plus DNA Ladder per gel lane.

Notes:

1. The Loading Dye comes with the Product.
2. Quick-Load Purple 1 kb Plus DNA Ladder is stable for at least 6 months at 25°C.
   For long term storage, store at 4°C or -20°C.
   If stored at -20°C, mix well after thawing. If not well mixed, the load may float out of the wells.
3. **Preparation of DNA**
   The double-stranded DNA is digested to completion with appropriate restriction enzymes, phenol extracted and equilibrated in storage buffer.
4. **Usage recommendation**
   We recommend loading 5-10 ul (0.5-1 ug) of Quick-Load Purple 1 kb Plus DNA Ladder per gel lane. The Quick-Load Purple 1 kb Plus DNA Ladder is not intended for precise quantification of DNA mass but can be used for approximating the mass of DNA in comparably intense samples of similar size.


Mass (ng)
kb
40
10.0
40
8.0
48
6.0
40
5.0
32
4.0
120
3.0
40
2.0
57
1.5
45
1.2
122
1.0
34
0.9
31
0.8
27
0.7
23
0.6
124
0.5
49
0.4
37
0.3
32
0.2
61
0.1