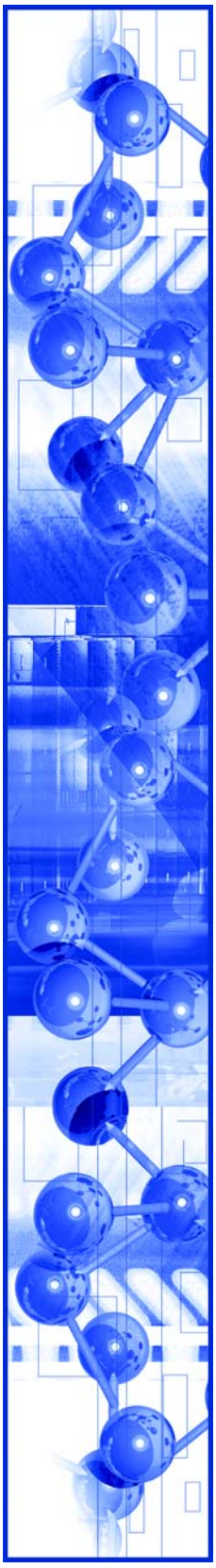


DNA Molecular Weight Ladders

50bp, 100 bp and 1 Kb DNA Markers

Code	Description
K180-250UL	Molecular Weight Marker, DNA, 100 bp Ladder, 250 ul *Includes: 13 fragments ranging from 100bp-3000bp* *Sufficient marker for 50 gel lanes*
K181-500UL	Molecular Weight Marker, DNA, 1 Kb Ladder, 500 ul *Includes: 11 fragments ranging from 500bp-10,000bp* *Sufficient marker for 100 gel lanes*
N550-300UL	Ready Ladder™ 100 bp DNA Marker, 300 ul *Includes: 13 fragments ranging from 100bp-3000bp* *Sufficient marker for 50 gel lanes*
N551-600UL	Ready Ladder™ 1 Kb DNA Marker, 600 ul *Includes: 11 fragments ranging from 500bp-10,000bp* *Sufficient marker for 100 gel lanes*
N746-100RXN	Ready Ladder™ 50 bp DNA Marker, 100 RXN *Includes: 10 fragments ranging from 50bp-500bp* *Sufficient marker for 50 gel lanes*

Description:

AMRESCO offers 50bp, 100 bp and 1 Kb DNA ladders for determination of double-stranded DNA sizes on agarose or acrylamide gels. The 50 bp ladder consists of 10 fragments ranging from 50 to 500 bp. The 100 bp ladder contains 13 double-stranded DNA fragments ranging from 100 to 3000 bp. The 1 Kb ladder consists of 11 double-stranded bands with molecular weights between 500 and 10,000 bp. The intensity of individual bands varies to facilitate easy identification.

Ladders are available in two formulations:

- A buffered aqueous solution that is mixed with loading buffer before applying to gel
- Ready Ladder™, a ready-to-load formulation that can be applied directly to the gel

Storage/Stability:

The solutions are stable for at least six (6) months when stored at -20° C.

Application Disclaimer

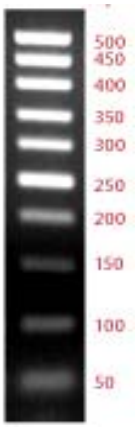
For Research Use Only.
Not for Therapeutic or Diagnostic Use.

Product Details

50 bp Ready Ladder™ (N746-100RXN)

- 10 fragments from 50 - 500 basepairs
- DNA amount per band for a 10 µl sample is shown in table below.

Fragment Size (bp)	Amount (ng)
50	29
100	31
150	22
200	33
250	76
300	49
350	55
400	59
450	67
500	79

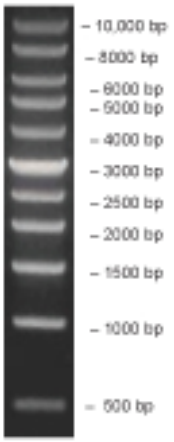


50 bp Ready Ladder™ resolved on a 2% TAE/Agarose I™gel

1 Kb Ladder (K181-500ul, N551-600ul)

- 11 fragments from 500 – 10,000 basepairs

Fragment Size (bp)
500
1000
1500
2000
2500
3000
4000
5000
6000
8000
10,000

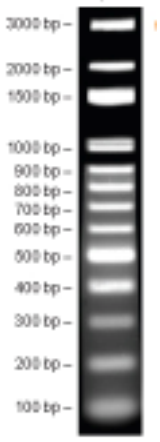


1 Kb Ready Ladder™ resolved on a 1% TBE/Agarose II™ gel

100 bp Ladder (K180-250UL, N550-300UL)

- 13 fragments from 100 – 3,000 basepairs

Fragment Size (bp)
100
200
300
400
500
600
700
800
900
1000
1500
2000
3000



100 bp Ready Ladder™ resolved on a 1% TAE/Agarose II™gel

Directions for use:

K180-250ul Molecular Weight Marker, DNA, 100 bp Ladder
K181-500ul Molecular Weight Marker, DNA 1Kb Ladder

Combine 5 µl of marker with 5 µl 2X loading buffer and load into well.

N746-100RXN Ready Ladder™ 50 bp DNA Marker
N550-300UL Ready Ladder™ 100 bp DNA Marker
N551-600UL Ready Ladder™ 1 Kb DNA Marker

Simply load 6 µl of supplied marker reagent into well. Ready Ladder™ products are ready-to-use.

Related Products :

Code	Product
N472, N473, N313,	EZ-Vision™ DNA Dye as Loading Buffer
0710-500G	Agarose I™
0658-4L	TBE Buffer, 10X Liquid Concentrate
0408-25G	TAE Buffer, 25X Liquid Concentrate

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