



DNA Molecular Weight Markers

Code	Description	Size
K180-250UL	DNA Molecular Weight Marker,100 bp Ladder	250 µL
K181-1ML	DNA Molecular Weight Marker,1 kb Ladder	1 mL
N550-300UL	Ready Ladder™, 100 bp DNA Marker	300 µL
N551-1.2ML	Ready Ladder™, 1 kb DNA Marker	1.2ML
N746-100RXN	Ready Ladder™, 50 bp DNA Marker	1,000 µL
N854-1.2ML	EZ- Vision® 1 kb DNA Ladder	1.2ML
N856-300UL	EZ Vision® 100 bp DNA Ladder	300 µL

General Information

VWR Life Science AMRESCO offers 50 bp, 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 10 double-stranded bands with molecular weights between 200 and 10,000 bp. The intensity of individual bands varies to facilitate easy identification.

Ladders are available in three formulations:

- A buffered aqueous solution that is mixed with loading buffer before applying to gel (K180, K181)
- Ready Ladder™: A pre-mixture of DNA marker and loading buffer that can be applied directly to the gel (N550, N551, N746)
- EZ-Vision® DNA Ladders: A pre-mixture of DNA marker, loading buffer and a proprietary fluorescent DNA visualization dye that can be applied directly to the gel (N854, N856)

Storage/Stability

Store frozen (0 to -20°C). Stable for at least 1 year.

Product Use Limitations

For research use only. Not for therapeutic or diagnostic use.

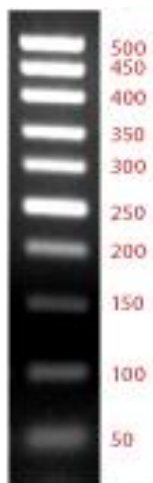
Product Details

Code	Number of Fragments	Size Range (bp)	Volume (μL) Supplied	Number of Lanes	Load Volume (μL) Per Well	2X Loading Buffer (μL)	DNA Staining Required
N746	10	50-500	1000	100	6	N/A*	Yes
N550	13	100-3,000	300	50	6	N/A*	Yes
N856	13	100-3,000	300	50	6	N/A*	No**
K180	13	100-3,000	250	50	5	5	Yes
K181	10	200-10,000	1000	200	5	5	Yes
N551	10	200-10,000	1200	200	6	N/A*	Yes
N854	10	200-10,000	1200	200	6	N/A*	No**

* *Ready Ladder™ and EZ-Vision® products are supplied ready-to-use and are to be loaded into wells directly from the supplied tubes.*

***EZ-Vision® Ladders are a mixture of DNA, loading buffer and a non-toxic, non-mutagenic fluorescent DNA dye. These ladders can be seen immediately after electrophoresis, without additional staining.*

N746 – Ready Ladder™, 50 bp DNA Marker



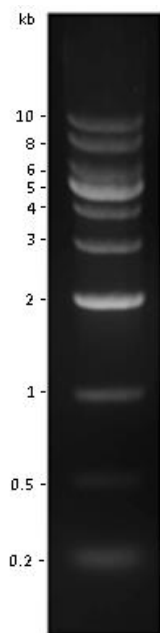
Fragment Size (bp)	DNA Amount (ng) Per 10 μL Volume
500	79
450	67
400	59
350	55
300	49
250	76
200	33
150	22
100	31
50	29

Ready Ladder™, 50 bp
DNA Marker resolved
on a 2% TAE/Agarose
1™ gel

K181 – DNA Molecular Weight Marker, 1 kb Ladder

N551 – Ready Ladder™, 1 kb DNA Marker

N854 – EZ- Vision® 1 kb DNA Ladder



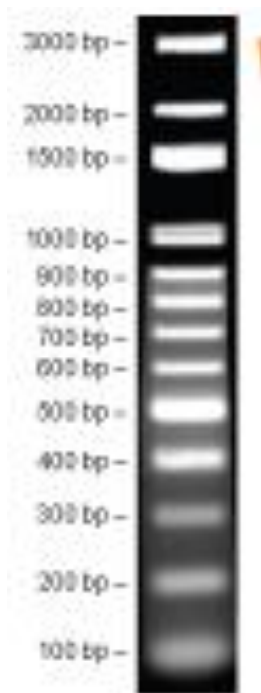
Fragment Size (bp)	DNA Amount (ng) Per 5 μ L Volume
10,000	40
8,000	40
6,000	40
5,000	80
4,000	40
3,000	40
2,000	80
1,000	40
500	40
200	40

Ready Ladder™, 1 kb
DNA Marker resolved
on a 1% TAE/Agarose
I™ gel

K180 – DNA Molecular Weight Marker, 100 bp Ladder

N550 – Ready Ladder™, 100 bp DNA Marker

N856 – EZ- Vision® 100 bp DNA Ladder



Fragment Size (bp)
3,000
1,000
1,500
1,000
900
800
700
600
500
400
300
200
100

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

For Technical Support

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