



# NUCLEIC ACIDS SEPARATION

## LADDERS & MARKERS

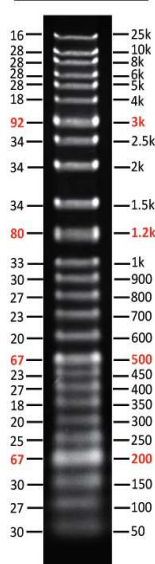
## PRECATS DNA GELS



## ExcelBand™ Super Range DNA Ladder (50 bp-25 kb) TR-BS1-1014 (500 µl)

### Description

The TR-BS1-1014 ExcelBand™ Super Range DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with loading dye for direct gel loading. The DNA Ladder TR-BS1-1014 is composed of 26 individual DNA fragments: 25k, 10k, 8k, 6k, 5k, 4k, 3k, 2.5k, 2k, 1.5k, 1.2k, 1k, 900, 800, 700, 600, 500, 450, 400, 350, 300, 250, 200, 150, 100 and 50 base pairs derived from a mixture of PCR products and specifically digested plasmid DNA. This product contains four enhanced bands (3k, 1.2k, 500 and 200 bp) for easy reference. In addition, three tracking dyes, Xylene cyanol FF, Bromophenol blue and Orange G which mimic the migration of 4,000 bp, 500 bp and 50 bp dsDNA during electrophoresis are added for real time monitoring.



1.2% Agarose Gel  
1X TBE Buffer

### Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA

### Range

50 ~ 25,000 bp

### Concentration

88.7 µg/500 µl

### Recommended loading volume

5 µl/well

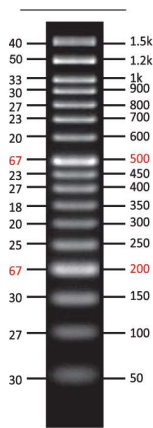
### Storage

Room temperature for 6 months  
4°C for 12 months  
-20°C for 36 months

## ExcelBand™ 50 bp DNA Ladder TR-BS1-1008 (500 µl)

### Description

The TR-BS1-1008 ExcelBand™ 50 bp DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with loading dye for direct gel loading. The TR-BS1-1008 DNA ladder is composed of 17 individual DNA fragments: 1.5k, 1.2k, 1k, 900, 800, 700, 600, 500, 450, 400, 350, 300, 250, 200, 150, 100 and 50 bp derived from a mixture of PCR products and specifically digested plasmid DNA. This product contains two enhanced bands (500 bp and 200 bp) for easy reference. In addition, the low range Orange G tracking dye mimics the migration of a 50 bp dsDNA during electrophoresis, and allows for real time monitoring.



2% Agarose Gel  
0.5x TAE Buffer

### Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

### Range

50 ~ 1,500 bp

### Concentration

54 µg/500 µl

### Recommended loading volume

5 µl/well

### Storage

Room temperature for 6 months  
4°C for 12 months  
-20°C for 36 months

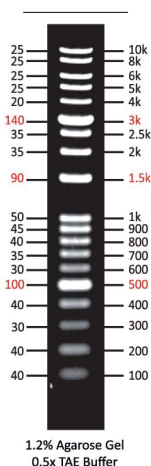
# Tk DNA Ladders & Markers

## ExcelBand™ 1 KB Plus (0.1-10 kb) DNA Ladder TR-BS1-1012 (500 µl)

### Description

The TR-BS1-1012 ExcelBand™ 1 KB Plus (0.1-10 kb) DNA Ladder is a ready-to use DNA ladder, which is pre-mixed with loading dye for direct gel loading.

The DNA Ladder TR-BS1-1012 is composed of 19 individual DNA fragments: 10k, 8k, 6k, 5k, 4k, 3k, 2.5k, 2k, 1.5k, 1k, 900, 800, 700, 600, 500, 400, 300, 200, and 100 bp derived from a mixture of PCR products and specifically digested plasmid DNA. This product contains three enhanced bands (3 kb, 1.5 kb and 500 bp) for easy reference. In addition, three tracking dyes, Xylene cyanol FF, Bromophenol blue and Orange G which mimic the migration of 4,000 bp, 500 bp and 50 bp dsDNA during electrophoresis are added for real time monitoring.



### Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

### Range

100 ~ 10,000 bp

### Concentration

87 µg/500 µl

### Recommended loading volume

5 µl/well

### Storage

Room temperature for 6 months  
4°C for 12 months  
-20°C for 36 months

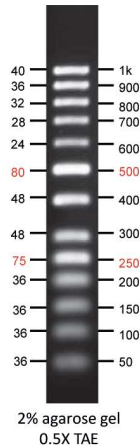
## Cat N°

Description	Concentration	Reference
ExcelBand™ 50 bp DNA Ladder	54 µg/500 µl	TR-BS1-1008
ExcelBand™ 100 bp DNA Ladder	52.2 µg/500 µl	TR-BS1-1009
ExcelBand™ 100 bp+3K DNA Ladder	56 µg/500 µl	TR-BS1-1010
ExcelBand™ 1 KB (0.25-10 kb) DNA Ladder	50 µg/500 µl	TR-BS1-1011
ExcelBand™ 1 KB Plus (0.1-10 kb) DNA Ladder	87 µg/500 µl	TR-BS1-1012
ExcelBand™ XL 25 kb DNA Ladder, Broad Range (up to 25 kb)	51.6 µg/500 µl	TR-BS1-1013
ExcelBand™ Super Range DNA Ladder (50 bp-25 kb)	88.7 µg/500 µl	TR-BS1-1014

## AccuBand™ 50 bp DNA Ladder II TR-BS1-1015 (500 µl)

### Description

AccuBand™ 50 bp DNA Ladder II is composed of 13 individual DNA fragments, presenting 1k, 900, 800, 700, 600, 500, 400, 300, 250, 200, 150, 100 and 50bp sharp bands respectively. This product contains 2 enhanced bands (500 bp and 250 bp) for easy band identification. AccuBand™ 50 bp DNA Ladder II is ready-to-use, containing loading buffer with a tracking dye (Orange G). AccuBand™ 50 bp DNA Ladder II provides a sufficient amount of DNA for clear observation of all DNA bands ranging from 50 bp to 1 kb, either in agarose gel or in polyacrylamide gel electrophoresis.



### Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA

### Range

50 ~ 1000 bp

### Concentration

55.5 µg/500 µl

### Recommended loading

volume  
5 µl/well

### Storage

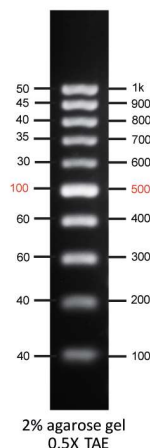
Room temperature for 6 months  
4°C for 12 months  
-20°C for 36 months

## AccuBand™ 100 bp DNA Ladder II TR-BS1-1017 (500 µl)

### Description

AccuBand™ 100 bp DNA Ladder II is composed of 10 individual DNA fragments, presenting 1k, 900, 800, 700, 600, 500, 400, 300, 200 and 100 bp sharp bands respectively.

This product contains 1 enhanced band (500 bp) for easy identification of bands. AccuBand™ 100 bp DNA Ladder II is ready-to-use, containing loading buffer with dual color tracking dye (Orange G and Xylene Cyanol FF). AccuBand™ 100 bp DNA Ladder II provides a sufficient amount of DNA for clear observation of all DNA bands ranging from 100 bp to 1 kb, either in agarose gel or in polyacrylamide gel electrophoresis.



### Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA

### Range

100 ~ 1000 bp

### Concentration

50 µg/500 µl

### Recommended loading

volume  
5 µl/well

### Storage

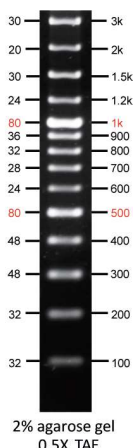
Room temperature for 6 months  
4°C for 12 months  
-20°C for 36 months

# Tk DNA Ladders & Dyes

## AccuBand™ 100 bp+3K DNA Ladder II TR-BS1-1018 (500 µl)

### Description

AccuBand™ 100 bp+3K DNA Ladder II is composed of 14 individual DNA fragments, presenting 3k, 2k, 1.5k, 1.2k, 1k, 900, 800, 700, 600, 500, 400, 300, 200 and 100 bp sharp bands respectively. This product contains 2 enhanced bands (1k and 500 bp) for easy band identification. AccuBand™ 100 bp+3K DNA Ladder II is ready-to-use, containing loading buffer with dual color tracking dyes (Orange G and xylene Cyanol FF). AccuBand™ 100 bp+3K DNA Ladder II provides a sufficient amount of DNA for clear observation of all DNA bands ranging from 100 bp to 3 kb, either in agarose gel or in polyacrylamide gel electrophoresis



### Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA

### Range

100 ~ 3000 bp

### Concentration

54.4 µg/500 µl

Recommended loading

### volume

5 µl/well

### Storage

Room temperature for 6 months

4°C for 12 months

-20°C for 36 months

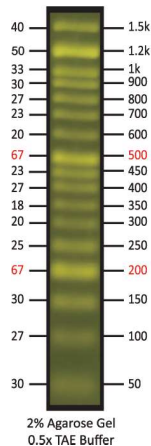
## Cat N°

Description	Concentration	Reference
AccuBand™ 50 bp DNA Ladder II, 500 µl	55.5 µg/500 µl	TR-BS1-1015
AccuBand™ 100 bp DNA Marker II	45.5 µg/500 µl	TR-BS1-1016
AccuBand™ 100 bp DNA Ladder II	50 µg/500 µl	TR-BS1-1017
AccuBand™ 100 bp+3K DNA Ladder II	54.4 µg/500 µl	TR-BS1-1018

## FluoroBand™ 50 bp Fluorescent DNA Ladder TR-BS1-1019 (500 µl)

### Description

The TR-BS1-1019 FluoroBand™ 50 bp Fluorescent DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with high sensitivity DNA binding fluorescent dye and loading dye for direct gel loading. The DNA Ladder TR-BS1-1019 is composed of 17 individual DNA fragments: 1.5k, 1.2k, 1k, 900, 800, 700, 600, 500, 450, 400, 350, 300, 250, 200, 150, 100, and 50 bp derived from a mixture of PCR products and specifically digested plasmid DNA. These bands can be visualized when illuminated with 470 nm blue or UV light. This product contains two enhanced bands (500 bp and 200 bp) for easy reference. In addition, the low range Orange G tracking dye which mimics the migration of a 50 bp dsDNA during electrophoresis is added for real time monitoring. Real time observation of electrophoresis is also possible if a compatible light source is fitted to the electrophoresis tank.



### Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA

### Range

50 ~ 1,500 bp

### Concentration

54 µg/500 µl

### Recommended loading volume

5 µl/well

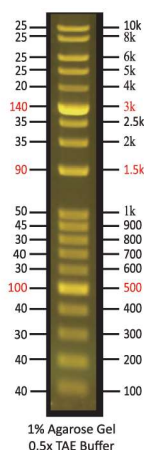
### Storage

Room temperature for 6 months  
4°C for 12 months  
-20°C for 24 months

## FluoroBand™ 1 KB Plus (0.1-10 kb) Fluorescent DNA Ladder TR-BS1-1023 (500 µl)

### Description

The TR-BS1-1023 FluoroBand™ 1 KB Plus (0.1-10 kb) Fluorescent DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with high sensitivity DNA binding fluorescent dye and loading dye for direct gel loading. The DNA Ladder TR-BS1-1023 is composed of 19 individual DNA fragments: 10k, 8k, 6k, 5k, 4k, 3k, 2.5k, 2k, 1.5k, 1k, 900, 800, 700, 600, 500, 400, 300, 200, and 100 bp derived from a mixture of PCR products and specifically digested plasmid DNA; these bands can be visualized when illuminated with 470 nm blue or UV light. This product contains three enhanced bands (3 kb, 1.5 kb and 500 bp) for easy reference. In addition, three tracking dyes, Xylene cyanol FF, Bromophenol blue and Orange G which mimic the migration of 4,000 bp, 500 bp and 50 bp dsDNA during electrophoresis are added for real time monitoring. Real time observation of electrophoresis is also possible if a compatible light source is fitted to the electrophoresis tank.



### Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

### Range

100 ~ 10,000 bp

### Concentration

87 µg/500 µl

### Recommended loading volume

5 µl/well

### Storage

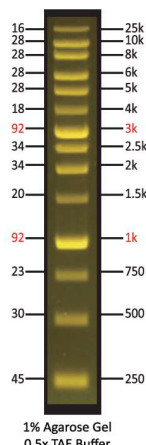
Room temperature for 6 months  
4°C for 12 months  
-20°C for 24 months

# Tk DNA Ladders & Dyes

## FluoroBand™ XL 25 kb Fluorescent DNA Ladder, Broad Range (up to 25 kb) TR-BS1-1024 (500 µl)

### Description

The TR-BS1-1024 FluoroBand™ XL 25 kb Fluorescent DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with high sensitivity DNA binding fluorescent dye and loading dye for direct gel loading. The DNA Ladder TR-BS1-1024 is composed of 14 individual DNA fragments: 25k, 10k, 8k, 6k, 5k, 4k, 3k, 2.5k, 2k, 1.5k, 1k, 750, 500, and 250 bp derived from a mixture of PCR products and specifically digested plasmid DNA; these bands can be visualized when illuminated with 470 nm blue or UV light. This product contains two enhanced bands (3 kb and 1 kb) for easy reference. In addition, two tracking dyes, Xylene cyanol FF and Bromophenol blue which mimic the migration of 4,000 bp and 500 bp dsDNA during electrophoresis are added for real time monitoring. Real time observation of the electrophoresis is also possible if a compatible light source is fitted to the electrophoresis tank.



### Source

Phenol extracted PCR products and dsDNA digested with specific restriction enzymes, equilibrated in 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA

### Range

250 ~ 25,000 bp

### Concentration

51.6 µg/500 µl

### Recommended loading volume

5 µl/well

### Storage

Room temperature for 6 months  
4°C for 12 months  
-20°C for 24 months

## Cat N°

Description	Concentration	Reference
FluoroBand™ 50 bp Fluorescent DNA Ladder	54 µg/500 µl	TR-BS1-1019
FluoroBand™ 100 bp Fluorescent DNA Ladder	52.2 µg/500 µl	TR-BS1-1020
FluoroBand™ 100 bp+3K Fluorescent DNA Ladder	56 µg/500 µl	TR-BS1-1021
FluoroBand™ 1 KB (0.25-10 kb) Fluorescent DNA Ladder	50 µg/500 µl	TR-BS1-1022
FluoroBand™ 1 KB Plus (0.1-10 kb) Fluorescent DNA Ladder	87 µg/500 µl	TR-BS1-1023
FluoroBand™ XL 25 kb Fluorescent DNA Ladder, Broad Range(up to 25 kb)	51.6 µg/500 µl	TR-BS1-1024

## ExcelDye™ 6X DNA Loading Dye

Is a pre-mixed buffer for loading and tracking DNA samples during electrophoresis on agarose or polyacrylamide gels. It contains different composition of three dyes (Xylene cyanol FF, Bromophenol blue, and Orange G) for tracking DNA migration

Description	Volume	Reference
ExcelDye™ 6X DNA Loading Dye, Orange	5ml x 2	TR-BS1-1025
ExcelDye™ 6X DNA Loading Dye, Green	5 ml x 2	TR-BS1-1026
ExcelDye™ 6X DNA Loading Dye, Blue	5ml x 2	TR-BS1-1027
ExcelDye™ 6X DNA Loading Dye, Tri-colo	5ml x 2	TR-BS1-1028

## FluoroDye™ DNA Fluorescent Loading Dye, (Green,6X)

Description	Volume	Reference
FluoroDye™ DNA Fluorescent Loading Dye, (Green,6X)	1 ml	TR-BS1-1029
FluoroDye™ DNA Fluorescent Loading Dye, (Green,6X)	1ml x 5	TR-BS1-1030

## FluoroStain™ DNA Fluorescent Staining Dye (Green, 10,000X)

Description	Volume	Reference
FluoroStain™ DNA Fluorescent Staining Dye (Green, 10,000X)	500 µl	TR-BS1-1031
FluoroStain™ DNA Fluorescent Staining Dye (Green, 10,000X)	500 µl x 5	TR-BS1-1032

## FluoroVue™ Nucleic Acid Gel Stain (10,000X)

Description	Volume	Reference
FluoroVue™ Nucleic Acid Gel Stain (10,000X)	500 µl	TR-BS1-1033
FluoroVue™ Nucleic Acid Gel Stain (10,000X)	500 µl x 5	TR-BS1-1034