DNA marker, 250bp ladder

Fisher BioReagents®

For precise sizing of double-stranded DNA fragments from 250bp to 2,000bp on agarose gels.

NEW 32

Supplied at 1µg/µL in TE buffer (pH7.5).
Consists of multiple repeats of a 250bp fragment. (250-2000bp)
Not designed for quantifying DNA content in a sample.

Recommended gel: 1% agarose with loading amount of 2.0µg/lane. Do not heat before loading.

Catalogue No	Quantity
BPE2552-100	200µg

DNA marker, Kilobase

Fisher BioReagents®

Suitable for precise sizing of double stranded DNA fragments from 500bp to 10kbp on agarose gels.

NEW 32

Supplied in TE buffer (pH8.0) at 5µg/µL.
Consists of 11 bands - 0.5kb, 1.0kb, 1.5kb, 2.0kb, 2.5kb, 3.0kb, 4.0kb, 5.0kb, 6.0kb, 8.0kb, 10kb

Catalogue No	Quantity
BPE2553-100	50µg

DNA ladders

invitrogen

50

Invitrogen's DNA ladders are supplied in a wide variety of sample loading and concentrations to meet all of your electrophoresis needs. Use the table below to select the best DNA ladder for your application and sizing range.

Contents and storage

TrackIt™ formats are ready to load in an optimised sample buffer containing Tris-EDTA, glycerol and two tracking dyes (bromophenol blue and Orange G.) Store all TrackIt™ ladders at room temperature. Store all other DNA ladders at -20°C.
DNA ladder sample buffers contain the following components:

1. 10mM Tris-HCl (pH7.5), 1mM EDTA
2. 10mM Tris-HCl (pH7.5), 10mM EDTA (pH 8.0), 0.06% XCFF, 0.4% Orange G, 5% glycerol
3. 10mM Tris-HCl (pH7.5), 10mM EDTA (pH 8.0), 0.06% XCFF, 0.6% tartazine, 5% glycerol
4. 10mM Tris-HCl (pH7.5), 10mM EDTA (pH 8.0), 0.05% bromophenol blue, 5% glycerol
5. 10mM Tris-HCl (pH7.5), 50mM NaCl, 0.1mM EDTA
6. 10mM Tris-HCl (pH7.5), 5mM $CaCl_2$, 10mM EDTA, 0.05% bromophenol blue, 5% glycerol
7. 10mM Tris-HCl (pH7.5), 5mM $CaCl_2$, 0.1mM EDTA, 0.05% bromophenol blue, 5% glycerol
8. 10mM Tris-HCl (pH7.5), 5mM NaCl, 0.1mM EDTA
9. 10mM Tris-HCl (pH8.0), 10mM EDTA

Catalogue No	Description	Size	Quantity
VX10821015	10bp DNA ladder†, buffer 1	10bp to 330bp	50mg at 1mg/mL
VX10488019	TrackIt™ 10bp DNA ladder†, buffer 2	10bp to 330bp	0.5mg/mL (20 applications)
VX10597011	25bp DNA ladder†, buffer 1	25bp to 500bp	50mg at 1mg/mL
VX10488022	TrackIt™ 25bp DNA ladder†, buffer 2	25bp to 500bp	0.5mg/mL (20 applications)
VX10416014	50bp DNA ladder†, buffer 1	50bp to 800 bp	50mg at 1mg/mL
VX10488043	TrackIt™ 50bp DNA ladder†, buffer 2	50bp to 800bp	0.1mg/mL (100 applications)
VX15628019	100bp DNA ladder†, buffer 1	100bp to 1,500 bp	50mg at 1mg/mL
VX15628050	TrackIt™ 100bp DNA ladder†, buffer 1	100bp to 1,500 bp	250mg at 1mg/mL
VX10488058	TrackIt™ 100bp DNA ladder†, buffer 3	100bp to 1,500 bp	0.1mg/mL (100 applications)
VX15613011	123bp DNA ladder††, buffer 5	123bp to 3,075bp	100mg at 1mg/mL
VX15615016	1kb DNA Ladder††, buffer 7	500bp to 12kb	250mg at 1mg/mL
VX15615024	1kb DNA Ladder††, buffer 7	500bp to 12kb	1mg at 1mg/mL
VX10488072	TrackIt™ 1kb DNA ladder††, buffer 3	500bp to 12kb	0.1mg/mL (100 applications)
VX10787018	1kb Plus DNA ladder††, buffer 7	100bp to 12kb	250mg at 1mg/mL
VX10787026	1kb Plus DNA ladder††, buffer 7	100bp to 12kb	1mg at 1mg/mL
VX10488085	TrackIt™ 1kb Plus DNA ladder††, buffer 3	100bp to 12kb	0.1mg/mL (100 applications)
VX10511012	1kb DNA extension ladder, buffer 5	500bp to 40kb	100mg at 1mg/mL
VX15622012	Supercoiled DNA ladder††††, buffer 9	2kb to 16kb	25mg at 0.25mg/mL
VX15611015	ΦX174 RF DNA/*Hae* III fragments, buffer 8	72kbp to 1,353bp	40mg at 0.5mg/mL
VX10488037	TrackIt™ ΦX174 RF DNA/*Hae* III fragments, buffer 3	72kbp to 1,353bp	0.1mg/mL (100 applications)
VX15612013	λ DNA/*Hind* III fragments, buffer 8	125bp to 23.1kb	500mg at 0.5mg/mL
VX10488064	TrackIt™ λ DNA/*Hind* III fragments, buffer 2	125bp to 23.1kb	0.1mg/mL (100 applications)
VX10068013	Low DNA mass ladder†††, buffer 1	100bp to 2,000bp	50 apps
VX10496016	High DNA mass ladder†††, buffer 1	1kb to 10kb	130mg/mL (50 applications)

† Can be radiolabelled using T4 DNA polymerase or T4 polynucleotide kinase
†† Can be radiolabelled using T4 DNA polymerase or T4 polynucleotide kinase, DNA polymerase 1, or the Klenow fragment
††† Suitable for estimating mass (qty) of unknown DNA samples by ethidum bromide staining
†††† Can be probed with pBR322 b-lactamase (ampicillin-resistance) gene sequence