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ProductInformation

DirectLoad™ Wide Range DNA Marker 50 bp - 10,000 bp

Product Number **D 7058** Storage Temperature –20 °C

TECHNICAL BULLETIN

Product Description

Suitable for use as an electrophoresis marker for DNA. Contains 16 bands ranging from 50 bp to 10,000 bp in the sizes listed below.

DNA Sizes:	base pairs (bp)	
	10,000	1,000
	8,000	750
	6,000	500
	4,000	400
	3,000	300
	2,000	200
	1,500	100

1,400

Supplied in 5x loading buffer containing marker dyes bromphenol blue and xylene cyanol FF. Ready for use in agarose gels.

50

Reagents

Storage Buffer: 2.5% ficoll, type 400, containing 0.0125% bromophenol blue, and 0.00625% xylene cyanol FF.

Storage/Stability

This product is shipped at ambient temperature. Marker is stable for 6 months when stored at -20 °C.

Product Profile

Recommended load volume: 10 µl

Number of loads per vial: 100

Adjustments may be made for different well sizes and individual preferences.

Suitability Assay

10 μ l of the DNA ladder solution was loaded onto two agarose submarine type minigels in 1x TBE (Product No. T 9525), a 0.8% (w/v) gel used to resolve the larger bands and a 2.0% (w/v) gel used to resolve the smaller bands. The gels were subjected to electrophoresis at 80 volts until the bromophenol blue tracking dye migrated at least two-thirds of the way down the gel. After staining for 15-20 minutes in 5 μ g/ml ethidium bromide and destaining with water for 15-20 minutes, all the bands were clearly resolved and the pattern was consistent with the indicated DNA sizes.

JLL/JWM 10/03