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Product Information

DirectLoad™ Step Ladder, 50 bp 50 bp - 3000 bp

Product Number **D 3812**
Storage temperature -20°C

TECHNICAL BULLETIN

Product Description

Suitable for use as an electrophoresis marker for DNA. Contains 17 bands ranging from 50 bp to 3000 bp in the sizes listed below.

Fragment sizes: base pairs (bp)

3,000	400
2,000	350
1,000	300
900	250
800	200
700	150
600	100
500	50
450	

Supplied in 1x loading buffer containing marker dyes orange G and xylene cyanol. Ready for use in agarose gels.

Reagents

Storage Buffer: 5% glycerol, 4.2 mM EDTA containing 0.083% orange G, and 0.0125% 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 μl of DirectLoad Step Ladder was loaded on a 2.0% (w/v) agarose gel prepared with 1x TAE (Product No. T 6025) working buffer. The gel was run for approximately 90 minutes in 1x TAE at 90 volts. After ethidium bromide staining, 17 bands (500-3,000 bp) were clearly resolved and the pattern was consistent with the expected fragment sizes. The gel may also be run using 1x TBE (Product No. T 9525) in place of 1x TAE.

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