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## Product Information

**ExcelDye™ 6X DNA Loading Dye, Blue**

**DL3000      5 ml × 2 (Blue, 6X)**

## Storage

4°C for 12 months  
-20°C for 36 months

## Working Reagent Preparation

1:6 dilution per DNA electrophoresis sample.  
(1 µl loading dye for every 5 µl DNA sample)

For research use only  
2019 ver. 2.1.1

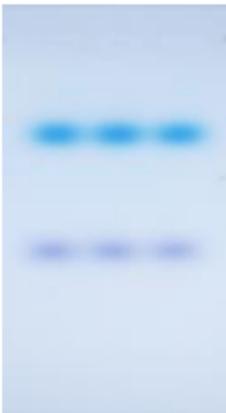
P06-F11-A1

## Description

SMOBIO's ExcelDye™ 6X DNA Loading dye is a blue pre-mixed buffer for tracking DNA samples during electrophoresis on agarose or polyacrylamide gels. It contains two dyes (Xylene cyanol FF and Bromophenol blue) for tracking the DNA migration. The [Xylene cyanol FF](#) and [Bromophenol blue](#) migrate at approximately 800 bp and 150 bp on a standard 2% TAE agarose gel (4,000 and 500 bp on 1% TAE agarose gel). The included glycerol helps keep DNA at the bottom of the well and the presence of EDTA chelates any divalent metal ions to prevent the process of a metal-dependent nuclease.

## Composition

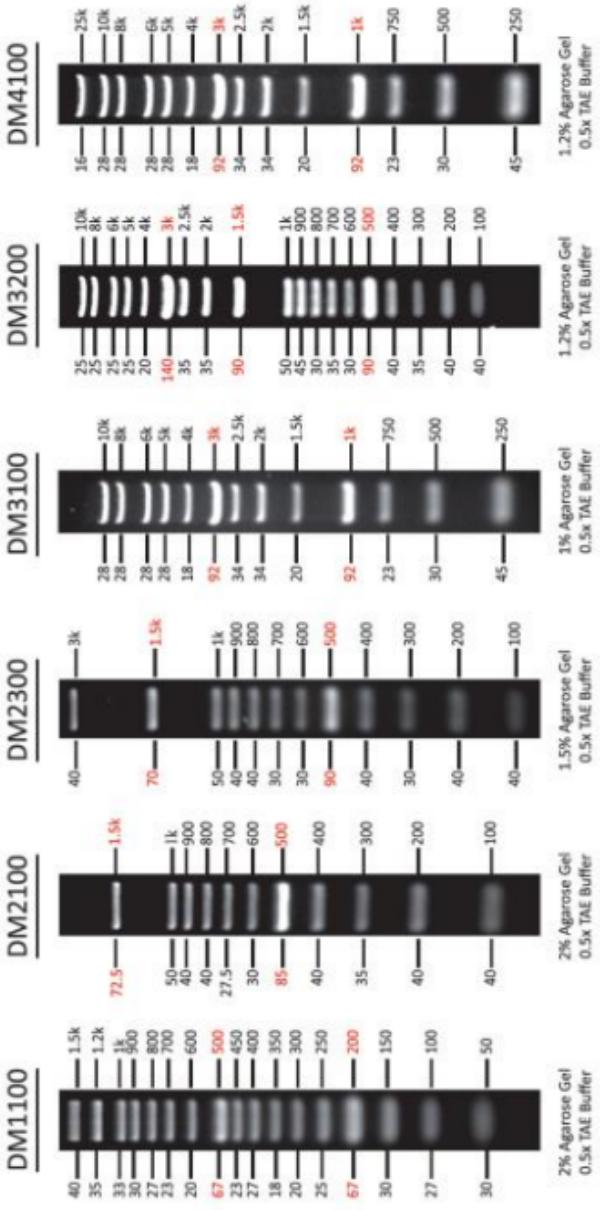
0.03% Xylene cyanol FF  
0.03% Bromophenol blue  
10 mM Tris-HCl (pH 8.0)  
60% glycerol  
60 mM EDTA





## ExcelBand DNA Ladders

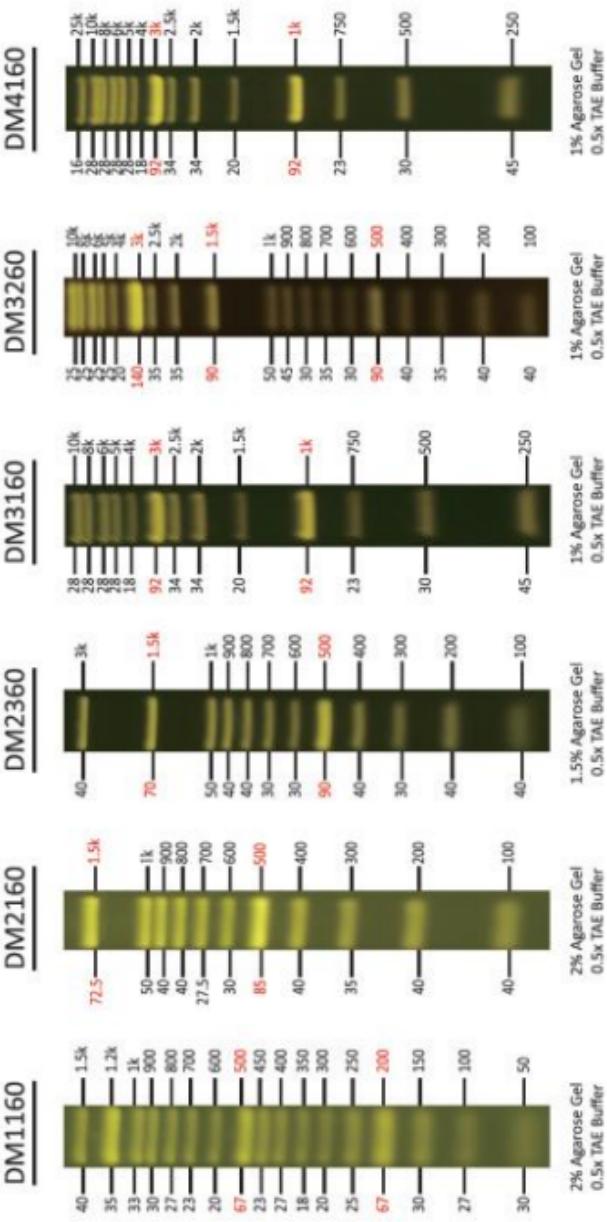
DNA Mass (ng/ 5 $\mu$ l) / Base Pairs (bp)





Small Bio, Smart Tool

## FluroBand DNA Ladders



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