



56885

## 6x DNA Loading Dye & SDS solution

Part E

### Specifications

Appearance (Form)	Liquid
Appearance (Colour)	Blue
Electrophoresis test	Dye in 1X Concentration is mixed with Plasmid DNA and the mobility is tested by agarose gel electrophoresis
Stability	It should be stable when subjected to repeated freeze-thaw

### Other Information

Description

6x Gel Loading Dye, SDS+ is a pre-mixed loading buffer with two tracking dyes for agarose and non-denaturing polyacrylamide gel electrophoresis. The solution contains SDS which results in sharper bands as some restriction enzymes remain bound to DNA following cleavage. EDTA is included to chelate magnesium (up to 10 mM) in enzymatic reactions, thereby stopping the reaction. Bromophenol blue and xylene cyanol are the standard tracking dye for electrophoresis.

Application

Preparation of DNA ladders, markers and samples for loading on agarose or polyacrylamide gels.

Features:  
1% SDS eliminates DNA-protein interactions, prevents appearance of additional bands due to annealing of DNA molecules with cohesive ends.  
100mM EDTA inhibits metal dependent nucleases.

### General Information

Storage	-20 °C (Blue/Dry Ice)
Shelf Life	24 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
5 x1 ml	38229090 (GST 12%)

#### Disclaimer

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