

6X Loading Dye Solution(XB)

RUO

Research Use Only

REF

21161

Q'ty

5 X 1 ml



DESCRIPTION

6X Loading Dye Solution(XB) is used to prepare DNA markers and samples for loading on agarose or polyacrylamide gels. It is recommended for the routine DNA work use. Loading Dye contains two tracking dye, bromophenol blue and xylene cyanol FF for visual tracking of DNA migration during electrophoresis. The presence of glycerol in the solution ensures that the same sample forms a layer at the bottom of the well; the EDTA included in the solution binds divalent metal ions and inhibit dependent nuclease activities.

KIT CONTENTS

Product	Quantity	Components
6X Loading Dye Solution(XB)	1 ml x 5 vials	<ul style="list-style-type: none"> ▪ Tris base ▪ Bromophenol blue ▪ Xylene cyanol ▪ Glycerol

STORAGE

- Store at room temperature or 4°C up to 12 months.
- For longer periods, store at -20 °C.

CHARACTERISTICS

- Visual two-color tracking of DNA migration during electrophoresis.
- No DNA masking during gel exposure to UV light.

QUALITY CONTROL

- Tested for DNA sample preparation prior to agarose gel electrophoresis.

PRODUCT WARRANTY & SATISFACTION GUARANTEE

All products undergo extensive quality control test and are warranted to perform as described when used correctly. Immediately any problems should be reported. Satisfaction guarantee is conditional upon the customer providing full details of the problem to iNtRON within 60 days, and returning the product to iNtRON for examination.

PROTOCOLS

1. Add 1 volume of 6X Loading Dye Solution(XB) or 6X Loading Dye Solution(XO) to 5 volumes of DNA samples.
2. Mix well, spin down then load on the gel.

EXPERIMENTAL DATA

6X Loading Dye Solution(XB)

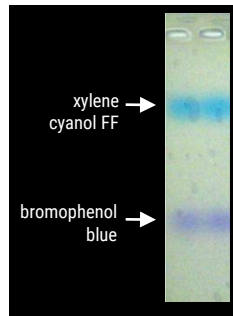


Figure. 1. Electrophoresis of tracking dyes in 6X Loading Dye Solution(XB)

Dye	0.5-1.5% agarose	2.0-3.0% agarose
Xylene cyanol	10'000-4000 bp	750-200 bp
Bromophenol blue	500-400 bp	150-50 bp

RELATED PRODUCTS

Product	Cat. No	Q'ty
Agarose	32032	500 g
SiZer™-50 Plus DNA Marker Solution	24072	0.5 ml
SiZer™-100 DNA Marker Solution	24073	0.5 ml
SiZer™-100 Plus DNA Marker Solution	24078	0.5 ml
SiZer™-1000 DNA Marker Solution	24074	0.5 ml
SiZer™-1000 Plus DNA Marker Solution	24075	0.5 ml