5X TBE Running Buffer

1. Catalog No. KTB030

2. Quantity 500 ml

3. Storage & Stability Store at R.T.

4. Description 5X TBE Running Buffer is used for running double strand DNA samples (10-3000 bp) for PAGE analysis on Polyacrylamide gels.

5. Recommended Loading Add 1/5 volume of 5X TBE Running Buffer to 4/5 volume of D.W.

6. Protocol

1. Add five part of sample to one part of TBE Sample Buffer (6X) and mix well.
2. Prepare 800ml 1X TBE Running Buffer by adding 160ml of TBE Running Buffer (5X) to 640ml of deionized water before use. Fill the upper and lower buffer chambers of EzCell with the appropriate amounts of running buffer. Make sure that the upper running buffer covers the sample wells completely.
3. Load sample into the wells.
4. Run the gel according to the following running conditions.

Voltage	180V constant	
Approx. Current	Start	18-25mA / 1.0mm gel
	End	14-18mA / 1.0mm gel
Approx. Run Time	50-75 minutes	

Turn off the power when the BPB dye is migrated to the end of the gel.

5. After the run, remove the gel from the cassette.
6. Fix, stain or transfer as desired.

*** Buffer composition**

TBE Running Buffer (5x)	
Tris base	0.445 M
Boric Acid	0.445 M
EDTA (Free Acid)	10 mM
pH	8.3