5X Tricine Sample Buffer

1. Catalog No. KTR020-5

2. Quantity 4 ml

3. Description 5X Tricine Sample Buffer is used for loading Protein samples for SDS PAGE analysis on Polyacrylamide gels.

4. Storage & Stability Store at 4°C

5. Recommended Loading Add 1/5 volume of 5X Tricine Sample Buffer to your protein sample tubes.

6. Protocol

1. **Tricine Sample Buffer does not contain reducing agent. For reducing conditions, add 0.2 ml of 2-Mercaptoethanol or 0.08g of DTT to 4 ml of Tricine Sample Buffer (5X) before use.**
2. Add four part of sample to one part of Tricine Sample Buffer (5X) and mix well. Heat the sample at 85°C for 2 minutes.
3. Prepare 800 ml 1X Tricine Running Buffer by adding 80 ml of Tricine Running Buffer (10X) to 720 ml 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.
4. Load sample into the wells. Typically 0.1-0.5 ug of protein per band with Coomassie Blue staining will give optical band intensity.
5. Run the gel according to the following running conditions.

Voltage	125V constant	
Approx. Current	Start	80 mA / 1.0 mm gel
	End	40 mA / 1.0 mm gel
Approx. Run Time	65 minutes	

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

6. After the run, remove the gel from the cassette.

7. Fix, stain or transfer as desired.

*** Buffer composition**

Tricine Sample Buffer (1x)	
Tris-HCl, pH 8.45	0.21 M
Glycerol	11 %
SDS	0.8 %
Commassie Blue G	0.004 %
Phenol Red	0.004%