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SDS-PAGE Protein Sample Loading Buffer (5×)

Cat #: KTD3003 Size: 10 mL

	SDS-PAGE Protein Sample Loading Buffer (5×)		
REF	**Cat #:** KTD3003	LOT	**Lot #:** Refer to product label
	Applicable samples: Routine SDS-PAGE protein samples of animal and plant tissues/cells, etc.		
	Storage: Stored at -20℃ for 12 months		

Assay Principle

SDS-PAGE protein loading buffer (5×) is a modified 5-fold concentrated protein loading buffer with bromophenol blue as the dye. This loading buffer uses a reducing agent with better stability, better reduction effect, and no unpleasant odor, instead of traditional DTT or 2-ME. It is used for the loading of conventional reducing SDS-PAGE protein samples.

Materials Supplied and Storage Conditions

Kit components	Size	Storage conditions
SDS-PAGE Protein Sample Loading Buffer (5×)	10 mL	-20℃

Reagent Preparation

SDS-PAGE Protein Sample Loading Buffer (5×): Ready to use as supplied. Equilibrate to room temperature before use. Store at -20℃.

Assay Procedure

1. SDS-PAGE Protein Sample Loading Buffer (5×) was dissolved at room temperature or no more than 37℃ water bath, then was stored immediately at room temperature to avoid being placed in the water bath for a long time.
2. According to the ratio of adding 1 μL SDS-PAGE Protein Sample Loading Buffer (5×) to every 4 μL protein sample, mix the protein sample and SDS-PAGE Protein Sample Loading Buffer (5×).
3. Heat at boiling water bath for 5-10 min to fully denature the protein. After cooling to room temperature, load the sample directly into the sample hole of the SDS-PAGE gel.
4. Electrophoresis is usually stopped until the blue dye reaches near the bottom end of the gel.

Recommended Products

Catalog No.	Product Name
BMM3001	Colorcode Prestained Protein Marker (10-180 kDa)
BMM3002	Colorcode Prestained Protein Marker (15-130 kDa)

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.