

2× TRI-TRICINE-SDS-PAGE Loading buffer (including DTT)

Item No. : P1325

Specification: 5mL/10mL

Storage: -20°C storage, it is recommended to separate frozen storage, to avoid repeated freezing and thawing. Valid for 12 months.

Product Description:

This product is suitable for Tricine-SDS-PAGE electrophoresis as a protein sample. Its main components are SDS, DTT, Coomassil bright blue, buffer salt solution and so on. SDS can combine with protein to make protein-SDS complex with a large amount of negative charge, then the charge of the protein itself is completely covered by SDS, eliminating the difference in the charge of various proteins, SDS can also break the intramolecular and intermolecular hydrogen bond, destroy the secondary and tertiary structure of protein molecules, DTT can break the disulfide bond between cysteine residues, destroy the protein structure, and eliminate the difference between the protein structures. In the final protein (subunit) without charge or structural difference, electrophoresis speed is only related to the size of its molecular weight. Coomassie brilliant blue is used as an indicator during electrophoresis, giving an approximate indication of the end time of electrophoresis.

Instructions for use (for reference only) :

1. Use the ratio of 20μL loading buffer per 20μL protein sample. If the protein concentration is too high, dilute the sample with double steaming water.
2. After mixing, heat the 100°C water bath for 5-10min to denature the protein.
3. Cool to room temperature, centrifuge for a few seconds, mix and then centrifuge for 30s, take the supernatant directly onto the sample.

Note:

This reagent contains DTT, there is a certain toxicity, for your safety and health, please wear a laboratory coat and wear disposable gloves operation.

Related products:

<i>P1300</i>	<i>Coomassie Bright Blue Quick Dye Solution</i>
<i>PR1300</i>	<i>Ultra Low molecular weight Protein MARKER</i>
<i>P1320</i>	<i>Tri-Tricine-SDS-PAGE Gel preparation kit</i>
<i>P1325</i>	<i>2×Tris-Tricine-SDS-PAGE Loading buffer (including DTT)</i>
<i>T1215</i>	<i>1×Tris-tricine-SDS-PAGE Electrophoretic buffer (Cathode)</i>
<i>T1225</i>	<i>1× TRI-TricINE-SDS-PAGE Electrophoresis Buffer (anode)</i>