

SDS-PAGE Loading Buffer (Reducing, 5×)

Product Number: BF27

Shipping and Storage

-20°C

Components

Component	10mL
SDS-PAGE Loading Buffer (Reducing, 5×)	2mL×5

Description

SDS-PAGE sample loading buffer (reducing, 5 ×) is a 5-fold concentrated SDS-PAGE gel electrophoresis sample loading buffer with bromophenol blue as the dye, which is applied to the preparation and loading of reduced SDS-PAGE protein samples. This buffer contains DTT, which can break the disulfide bond in the chain and the disulfide bond between the chains of protein molecules. The protein subunits connected by the disulfide bond are separated from each other, and clear protein bands appear on the electrophoresis gel after being stained with Coomassie brilliant blue.

Protocol

1. Mix the SDS-PAGE loading buffer (reducing, 5 x) with the protein sample in a ratio of 1:4.
2. Heat the protein sample in a boiling water bath for 3-5 minutes.
3. After sufficient denaturation of the protein sample, cool it to room temperature and centrifuge at less than 3000 rpm for 30 seconds.
4. After centrifugation, take an appropriate amount of supernatant and directly add it into the sample adding hole of SDS-PAGE gel for routine electrophoresis.

Note

1. Before adding the sample, thaw at room temperature or 37-40°C for a few minutes and gently shake well to ensure even mixing of the solution.
2. This reagent contains DTT. Please wear laboratory clothes and disposable gloves during operation.
3. This product is only used for scientific research and cannot be used for human experiments or human therapy.