

SDS-PAGE Loading Buffer (5X)

Catalogue No.: abx090648

SDS-PAGE Sample Loading Buffer is a 5X concentrated solution based on Bromophenol blue dye for use in SDS-PAGE protein sample loading.

Tested Applications: WB

Storage: Store at -20°C for up to one year.

Buffer: Contains Tris-HCl buffer, SDS, DTT, Bromophenol Blue and glycerol.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Directions for use:

1. Allow to stand in a water bath at a temperature between room temperature and 37 °C until all precipitates/sediments have dissolved. Then, allow to stand at room temperature.
2. Add sample to the 5X SDS-PAGE Sample Loading Buffer in a ratio of 4:1 (e.g. add 4 µl of sample to 1 µl of 5X SDS-PAGE Sample Loading Buffer).
3. Fully denature the sample at 100 °C or in a boiling water bath for 3-5 min.
4. Cool the sample to room temperature, then load and carry out electrophoresis.
5. Stop electrophoresis when the bromophenol blue dye reaches the bottom of the gel.

Notes:

- If SDS sediments appear in the SDS-PAGE Sample Loading Buffer at room temperature, they can be dissolved using a warm water bath.
- This product contains DTT, which can have a distinct odour.
- Personal protective equipment (PPE), such as lab coats, lab glasses and disposable gloves, are recommended when using this product.