

5x SDS Buffer

5x SDS Loading Buffer

CATALOG #
AAA174676

APPLICATIONS
Western Blot

PRODUCT SYNONYMS

5x SDS; 5x SDS Loading Buffer; 5x SDS buffer

PRODUCT SPECIFICATIONS

Form/Format	5 × SDS Loading Buffer Component: 0.25 M Tris•HCl (pH6.8), 0.5 M DTT, 10% SDS, 0.5% Bromophenol blue, 50% Glycerin
Applicable Applications for 5x SDS buffer	WB (Western Blot)
Instructions	1. Dissolve 5× SDS Loading Buffer at room temperature or with water bath. 2. Add 5 uL 5× SDS Loading Buffer per 20 uL protein sample and mix fully. 3. Heat at 95~100°C for 10 min to fully denature the proteins. 4. Centrifuge at 12,000 rpm for 2 min, and collect the supernatant. 5. Take 10~20 uL supernatant into the well of SDS-PAGE gel
Preparation and Storage	Store at -20°C for 12 months.

ADDITIONAL INFORMATION

Related Product Information for 5x SDS buffer	Introduction: This product is a loading buffer for protein samples with SDS-PAGE electrophoresis. The SDS contained in the product can be combined with the protein to form a SDS-protein complex, which brings a large amount of negative charge to the protein. SDS can break intramolecular and intermolecular hydrogen bonds, and destroy the secondary and the tertiary structure of protein. The DTT contained in this product can break the disulfide bond between the cysteine residues, destroy the structure between the proteins, and eliminate the difference between the protein structures. Ultimately, the rate of protein migration in the SDS-PAGE is only related to its molecular weight. Bromophenol blue is used as an indicator for electrophoresis to determine the progress of electrophoresis.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/buffer/5x-sds/174676>