

Datasheet for MB-018**2X SDS-PAGE Sample Buffer without DTT or b-ME****Overview**

Description:	2X SDS-PAGE Sample Buffer without DTT or b-ME (125 mM Tris, 20% Glycerol, 4% SDS, 0.01% bromophenol blue, pH 6.8) - MB-018
Item No.:	MB-018
Size:	100 mL
Applications:	SDS-PAGE

Product Details

Background:	SDS-PAGE, sodium dodecyl sulfate polyacrylamide gel electrophoresis, describes a technique widely used in biochemistry to separate proteins according to their electrophoretic mobility (a function of the length of a polypeptide chain and its charge) and no other physical feature. SDS is an anionic detergent applied to protein sample to linearize proteins and to impart a negative charge to linearized proteins. Visit our newly expanded web site at www.rockland.com for methods using this and other buffers.
Synonyms:	Sample buffer for protein electrophoresis, Sodium dodecyl sulfate polyacrylamide sample buffer, Protein Gel Sample Buffer, polyacrylamide gel sample buffer, Lysate sample buffer, 2X Lysate Buffer

Target Details

Purity/Specificity:	This product was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.
Relevant Links:	MB-018 SDS

Application Details

Tested Applications:	SDS-PAGE
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Application Note: 2X SDS-PAGE Sample Loading Buffer is suitable for laboratory assays involved in protein biochemistry. 2X SDS-PAGE Sample Buffer is a concentrated stock solution and should be diluted appropriately with distilled, deionized water or equivalent to its final working concentration. 2X SDS-PAGE Sample Buffer consists of 0.125 M Tris, 4% (w/v) SDS, 20% (v/v) Glycerol and 0.01% (w/v) bromophenol blue. This product is not reduced and does not contain DTT or b-ME. The pH of this solution is 6.8. It was meticulously prepared using ultra pure reagents dissolved in highly polished pharmaceutical grade deionized water.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 2X

Buffer: See application note.

Preservative: None

Stabilizer: None

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store container at -20° C or colder prior to opening. Aliquot and re-freeze for best results. Some salts may precipitate out of solution at lower temperature. Allow buffer to equilibrate to room temperature (18° to 26° C) to restore solubility of some salts.

Expiration: Expiration date is six (6) months from date of receipt.

Images

**Bottle**

2X SDS-PAGE Sample Buffer without DTT or b-ME (125 mM Tris, 20% Glycerol, 4% SDS, 0.01% bromophenol blue, pH 6.8)

References

- Kindzierski, V et al. Osmoregulation in the Halophilic Bacterium *Halomonas elongata*: A Case Study for Integrative Systems Biology. *PLoS One* (2017)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.