

Datasheet for KBB-001**2X SDS-PAGE Sample Buffer****Overview**

Description:	2X SDS-PAGE Sample Buffer - KBB-001
Item No.:	KBB-001
Size:	1.5 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. 2X SDS-PAGE Sample Loading Buffer is suitable for laboratory involved in protein biochemistry. Visit our newly expanded web site at www.rockland.com for methods using this and other buffers.
Synonyms:	Sample buffer for protein electrophoresis.
Detection Kit Type:	Immunoprecipitation Kit

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.
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Application Details

Tested Applications:	SDS-PAGE
Application Note:	This product 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-HCl, 4% (w/v) SDS, 20% (v/v) Glycerol and 0.01% (w/v) bromophenol blue. The pH of this solution is 6.8. 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:	2 X
Buffer:	See application note.
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	See kit insert for complete instructions.
Expiration:	See kit insert for complete instructions.

Images



Bottle
2X SDS-PAGE Sample Buffer

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.