

Datasheet for MB-017

10X SDS-PAGE Running Gel Buffer

Overview

Description:	10X SDS-PAGE Running Gel Buffer (0.25 M Tris, 1.92 M Glycine, 1.0% SDS pH 8.3) - MB-017
Item No.:	MB-017
Size:	1 L
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. 10X SDS-PAGE Running 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:	Sodium dodecyl sulfate polyacrylamide running buffer, Protein Gel Running Buffer, polyacrylamide gel running buffer

Target Details

Purity/Specificity:	10X SDS-PAGE Running Buffer consists of 0.25 M Tris HCl, 1.92 M Glycine and 1% (w/v) Sodium Dodecyl Sulfate (SDS); pH 8.3. Meticulously prepared using ultra-pure reagents dissolved in highly polished pharmaceutical grade deionized water. Some yellow coloration of the 10X buffer may be observed. A slight coloration does not interfere with the performance of the running buffer.
Relevant Links:	MB-017 SDS

Application Details

Tested Applications:	SDS-PAGE
-----------------------------	----------

Application Note:	This product is a 10X concentrated stock solution and should be diluted appropriately with distilled, deionized water (or equivalent) to its final working concentration. No pH adjustment is required.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	10 X
Buffer:	See application note.
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at room temperature (18° to 26° C) prior to opening. If desired, the solution may be stored at 4° C or less. 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

10X SDS-PAGE Running Gel Buffer (0.25 M Tris, 1.92 M Glycine, 1.0% SDS pH 8.3)

References

- Khitun, A et al. Proteomic Detection and Validation of Translated Small Open Reading Frames. *Current Protocols in Chemical Biology* (2019)

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.