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A Geno Technology, Inc. (USA) brand name

FOCUS™ Protein Solubilization Buffer

(Cat. # 786-PSB)



INTRODUCTION

FOCUS™ Protein Solubilization Buffer is a dry, urea-based and ready-to-use buffer for protein solubilization. It is a proprietary modification of urea based chaotropic extraction buffers. Normal urea based buffers solubilize proteins effectively however can modify the native charge of the proteins, due to carbamylation, a process that modifies amino groups, inducing changes in the isoelectric point of proteins leading to artifactual 2D results.

FPS Buffer is a DRY, pre-mixed formulation of urea, thiourea, CHAPS and non detergent sulfobetaine (ND SB 201) for maximum solubilizing strength. The dry format allows researchers to freshly rehydrate as much or as little as is required and therefore prevent urea induced carbamylation.

ITEM(S) SUPPLIED (Cat. # 786-PSB)

Description	Size
FOCUS™ Protein Solubilization Buffer	25gm
DILUENT-III	30ml

STORAGE CONDITION

The kit is shipped at ambient temperature. Upon arrival, store at room temperature.

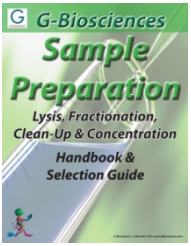
PROTOCOL

For optimal performance of FOCUS™ Protein Solubilization Buffer, vigorously shake the powder before use and prepare fresh immediately prior to solubilization.

1. Vigorously shake the FOCUS™ Protein Solubilization Buffer bottle for 10-15 seconds.
2. For making solution of FOCUS™ Protein Solubilization Buffer, weigh an appropriate amount as needed. Each gram of dry FPS Buffer will give about 2ml buffer solution.
3. For 1.0 gram of dry reagent, add 1.1ml of DILUENT-III into it. Vortex periodically and incubate at room temperature until a clear solution is achieved.
4. If additional reagents are required, including reducing agents, inhibitors, carrier ampholytes and dyes, these are added at this point. Vortex to mix.
5. Use only freshly re-hydrated FOCUS™ Protein Solubilization Buffer solution and discard any unused buffer.

RELATED PRODUCTS

Download our Sample Preparation Handbook.



http://info.gbiosciences.com/complete-protein-sample-preparation-handbook

For other related products, visit our website at www.GBiosciences.com or contact us.

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