



PRODUCT INFORMATION

Product Name: 5X Protein Loading Buffer

Catalog No.: GM47-b

Size: 50 ml, 100 ml

Store at: -20°C

Description:

GeneMark 5X Protein Loading Buffer is especially formulated for use in protein sample preparations for SDS-PAGE system. A protein sample is mixed with the 5X sample buffer (4:1) and is boiled (or heated) on a heating block for 2-5 min. **GeneMark 5X Protein Loading Buffer** is composed of the following : DTT to reduce intra and inter-molecular disulfide bonds; SDS detergent that denatures proteins and subunits, and provides an overall negative charge for peptide separation based on molecular size ; bromophenol blue serves as a dye front that runs ahead of the proteins for easier observations both during gel loading and while running; glycerol is also added to increase the density of the samples to prevent sample lost while loading into well.



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Composition:

Solution contains 10% SDS, 50% glycerol, 0.05 M DTT, 0.01 M EDTA, 0.05% bromophenol blue and 0.125 M Tris HCl, pH approx. 6.8.

Quantity:

Recommended usage: add 1 volume **GeneMark 5X Protein Loading Buffer** to 4 volume sample and mix well.

GMbiolab Co., Ltd.

www.genemarkbio.com

E-mail: tech@genemarkbio.com

