

Technical Data Sheet

MOLEQULE-ON[®]

SDS-PAGE Sample Loading Buffer (4X)

Cat No. CH-M-254

Size: 10ml

DESCRIPTION

MOLEQULE-ON SDS-PAGE Sample Loading Buffer in 4X concentration is used for preparation and loading of protein samples onto a gel for SDS-PAGE analysis (Western blot/protein blot). SDS contained in the sample buffer makes proteins negatively charged proportionally to their length. β -mercaptoethanol breaks disulfide bonds, whereas, glycerol makes the sample buffer more dense than the surrounding running buffer of the protein gel, enabling easy loading into the gel wells.

COMPOSITION

Final concentrations in 1X buffer are 50 mM Tris-HCl pH 6.8, 2% SDS, 10% glycerol, 1% β -mercaptoethanol, 12.5 mM EDTA and 0.02 % bromophenol blue.

USE

Dilute 3 parts sample with 1 part 4X SDS-PAGE Sample Loading Buffer. Load on acrylamide gel in SDS-PAGE buffer.

STORAGE

Store at -20°C.

For laboratory use only. Not intended for any animal or human therapeutic or diagnostic uses.