

Protein Sample Loading Buffer (Denaturing, non-Reducing, 5×)

P1492036

Store at -20°C long term (12 months).

Introduction:

This product is an improved, 5× concentrated protein loading buffer containing Bromophenol Blue as a tracking dye. It includes denaturing agents but excludes reducing agents such as DTT or β -mercaptoethanol. It is suitable for routine denaturing non-reducing polyacrylamide gel electrophoresis (SDS-PAGE) of protein samples.

Usage method:

1. Add 1 volume of loading buffer to 4 volumes of protein sample (1:4 ratio) and mix thoroughly.
2. Heat the mixture in a boiling water bath for 3–5 minutes.
3. After cooling, centrifuge at high speed for 5 minutes. Use the supernatant for electrophoresis.
 - 3.1 Note: If no insoluble debris is observed after adding the loading buffer, brief centrifugation is sufficient to collect the mixture.
 - 3.2 If condensation forms on the tube lid after heating, gently flick the tube to mix the condensation with the sample before centrifugation to ensure uniform loading concentration.

Matters needing attention:

1. Wear a lab coat and disposable gloves for safety.
2. For research use only.