

5X Protein Loading Dye

CAT No. APL-1047 / APL-1047-100 mL

DESCRIPTION

APOLO 5X Protein Loading Dye is used as a tracking dye for NATIVE gel and SDS PAGE gel loading. APOLO 5X Protein Loading Dye Reagent A does not contain SDS and DTT; therefore, it can be used for native gel sample loading and other assays. For denaturing gel electrophoresis, mixing of Reagent A and Reagent B. The mixture, which contains SDS and DTT, is suitable for denaturing gel electrophoresis.

CONTENT

	APL-1047-100 mL	APL-1047
Reagent A	50 mL	500 µL
Reagent B	50 mL	500 µL

COMPOSITION

	5X Protein Loading Dye
Reagent A	0.5 M Tris buffer, pH 6.8 80% Glycerol 0.5% Bromophenol Blue
Reagent B	20% SDS 1 M DTT

STORAGE

All components should be stored at 4°C for a short period or -20°C for a long period.

PROTOCOL

1. Prepare the 5X Protein Loading Dye Mixture:

1-1. For NATIVE GEL

Mix 500 µL Reagent A with 500 µL ddH₂O to make a 5X Protein Loading Dye Mixture for native gel.

1-2. For SDS PAGE GEL

Mix 500 µL Reagent A with 500 µL Reagent B to make a 5X Protein Loading Dye Mixture for denaturing gel.

2. Dilute sample in 5X Protein Loading Dye Mixture (from step 1) at 4:1 ratio.

PRODUCT USE LIMITATION

Research use only.