



PRODUCT INFORMATION

Product Name: 4X Resolving Buffer (Cat. No. GPB06)
4X Stacking Buffer (Cat. No. GPB07)

Size: 500 ml

Store at: 4°C

Description:

4X Resolving Buffer and 4X Stacking Buffer are used for the preparation of gradient, continuous and discontinuous denaturing polyacrylamide gels.

Compositions:

4X Resolving Buffer, 500 ml: 1.5 M Tris-HCl pH 8.8, 0.4% SDS

4X Stacking Buffer, 500 ml: 0.5 M Tris-HCl pH 6.8, 0.4% SDS

Gel preparing procedure:

1. Prepare 10% ammonium persulfate (APS).
100 mg ammonium persulfate dissolve in 1 ml of deionized water.
2. Add the entire reagent except the 10% APS and TEMED. Swirl gently to mix. (see the formulation below)
3. Immediately prior to pouring the gel, add 10% APS and TEMED.
4. Swirl gently and pour the gel as soon as possible.

● Gel formulations

Components	Resolving gel (10 ml)				Stacking gel (5 ml) (5%)
	8%	10%	12%	15%	
H ₂ O	4.7 ml	4.1 ml	3.4 ml	2.4 ml	3.115 ml
30% Acrylamide/Bis	2.7 ml	3.3 ml	4.0 ml	5.0 ml	0.83 ml
4X Resolving Buffer	2.5 ml	2.5 ml	2.5 ml	2.5 ml	-
4X Stacking Buffer	-	-	-	-	1.25 ml
10% APS	100 µl	100 µl	100 µl	100 µl	50 µl
TEMED	5 µl	5 µl	5 µl	5 µl	5 µl
