ALTER CHEM

BIOTECHNOLOGY AND INNOVATION FOR HUMAN NEEDS

TABLE TO PREPARE POLYACRYLAMIDE GELS FOR NONDENATURING DNA ELECTROPHORESIS

Acrylamide concentration in the gel		3.5%	5.0%	8.0%	12.0%	15.0%	20.0%
Description	Catalog No	Reagents to prepare 100.0 ml working solution					
30% Acrylamide/Bisacrylamide Solution (29:1)	**A00010**	11.7 ml	16.7 ml	26.7 ml	40.0 ml	50.0 ml	66.7 ml
TBE (10x) Buffer	**T00011**	10.0 ml	10.0 ml	10.0 ml	10.0 ml	10.0 ml	10.0 ml
Distilled H_2O		77.6 ml	72.6 ml	62.6 ml	49.3 ml	39.3 ml	22.6 ml
Mix thoroughly (*), then add							
10% Ammonium Persulfate	**G00001**	0.7 ml	0.7 ml	0.7 ml	0.7 ml	0.7 ml	0.7 ml
TEMED		35 **µl**	35 **µl**	35 **µl**	35 **µl**	35 **µl**	35 **µl**
Mix the working solution by gentle swirling. Cast the gel, allow to polymerize for one hour.							

(*) Deaeration of the solution at this point optimizes the polymerization of the gel and increases the repeatability of the results.

!! ENVIRONMENTAL PROTECTION NOTICE !!

In order to minimize the release of acrylamide to the environment, please polymerize any unused amount of monomer solution (acrylamide/bisacrylamide) according to the above table and the common practice. Let the solution to polymerize for one hour or more. Discard the formed gel.

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(+30) 210 5059995