



## TABLE TO PREPARE STACKING GELS FOR SDS-PAGE

Description	Catalog No	Reagents to prepare 10 ml working solution	Final concentration
30% Acrylamide/Bisacrylamide Solution (37.5:1)	A00002	1.333 ml	4.0 %
0.5 M Tris-HCl, pH 6.8 - Stacking Gel Buffer	T00006	2.5 ml	125 mM
Distilled H <sub>2</sub> O		6.007 ml	
<i>Mix thoroughly <sup>(*)</sup>, then add</i>			
10% SDS Solution	S00002	100 µl	0.1 %
10% Ammonium Persulfate	G00001	50 µl	0.05 %
TEMED		10 µl	0.1 %
<i>Mix the working solution by gentle swirling. Cast the gel, allow to polymerize for 30 min.</i>			

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

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**!! 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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## TABLE TO PREPARE SEPARATING GELS FOR SDS-PAGE

Acrylamide concentration in the gel		7.5%	10.0%	12.5%	15.0%	20.0%	
Description	Catalog No	Reagents to prepare 20.0 ml working solution					Final concentration
30% Acrylamide/Bisacrylamide Solution (37.5:1)	<b>A00002</b>	5.0 ml	6.667 ml	8.334 ml	10.0 ml	13.334 ml	(appears at the top line)
1.5 M Tris-HCl, pH 8.8 - Resolving Gel Buffer	<b>T00005</b>	5.0 ml	5.0 ml	5.0 ml	5.0 ml	5.0 ml	0.375 M
Distilled H <sub>2</sub> O		9.690 ml	8.023 ml	6.356 ml	4.690 ml	1.356 ml	
<i>Mix thoroughly <sup>(*)</sup>, then add</i>							
10% SDS Solution	<b>S00002</b>	200 $\mu$ l	200 $\mu$ l	200 $\mu$ l	200 $\mu$ l	200 $\mu$ l	0.1 %
10% Ammonium Persulfate	<b>G00001</b>	100 $\mu$ l	100 $\mu$ l	100 $\mu$ l	100 $\mu$ l	100 $\mu$ l	0.05%
TEMED		10 $\mu$ l	10 $\mu$ l	10 $\mu$ l	10 $\mu$ l	10 $\mu$ l	0.05%
<i>Mix the solution by gentle swirling. Cast the gel, allow to polymerize for one hour.</i>							

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

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