



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

Product Information

ACRYLAMIDE 40% SOLUTION

Product No. **A 4058**

N,N'-METHYLENE-bis-ACRYLAMIDE 2% SOLUTION

Product No. **M 1533**

Store at 2-8 °C

Product Description

Solutions are prepared from electrophoresis grade reagents in ultra-pure water and aseptically filtered to insure the highest quality and reproducibility. The use of these two products allows the freedom to prepare the polyacrylamide gel in any desired %T ($\leq 40\%$) and %C ($\leq 5\%$), where T represents the total concentration of monomer (acrylamide + bis) expressed in a g per 100 ml and C is the percentage (by weight) of bis in total monomer (acrylamide + bis).

Preparation Instructions

The following table provides the information needed to prepare 40 ml of gel solution with different %T and %C for separating gel and 16 ml of gel solution for stacking gel.

%T	%C	Total volume (ml)	Volume (ml) of 40% Acrylamide Solution A 4058	Volume (ml) of 2% N,N'-Methylene-bis-Acrylamide Solution M 1533	Total Volume (ml) of other components*
Stacking Gel					
4.0	2.6	16	1.56	0.83	13.61
Separating Gels					
5.0	2.6	40	4.87	2.60	32.53
7.5	2.6	40	7.30	3.90	28.80
7.5	3.3	40	7.25	5.00	27.75
7.5	5.0	40	7.13	7.50	25.37
10.0	2.6	40	9.74	5.20	25.06
10.0	3.3	40	9.70	6.70	23.60
10.0	5.0	40	9.50	10.00	20.50
12.0	2.6	40	11.68	6.24	22.08
12.0	3.3	40	11.60	8.00	20.40
12.0	5.0	40	11.40	12.00	16.60
15.0	2.6	40	14.62	7.80	17.58

*Includes water, buffer, SDS, ammonium persulfate, TEMED, etc.

01/02

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