

Quick Start Guide

TurboMix™ Bis-Tris Gel Casting Kit

TMKIT-10, TMKIT-60

5 Easy Steps to Cast

Create a single 7.4 cm x 8.2 cm mini gel using TurboMix™ Bis-Tris Gel Casting Kit Quick Cast method.

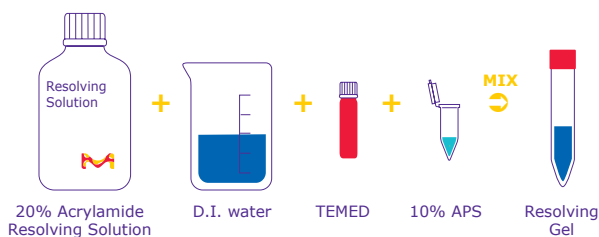
For additional gel sizes and standard casting instructions, read the complete User Guide on the TurboMix™ Bis-tris Gel Casting Kit product page on SigmaAldrich.com.

Read complete user guide before first use.

1. Prepare Resolving Gel

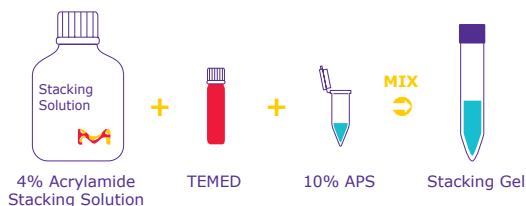
Use table 1 below to determine solution volumes. Gently mix all reagents in a clean 15 mL conical tube.

Note: Gel will begin to polymerize after addition of TEMED and APS.



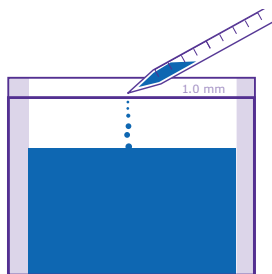
2. Prepare Stacking Gel

Gently mix all reagents in a clean 15 mL conical tube.



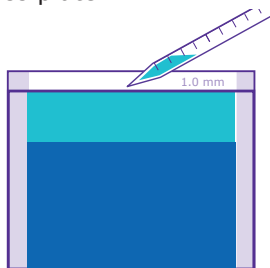
3. Add Resolving Gel

Using a serological pipette, fill casting cassette with resolving gel to desired height.



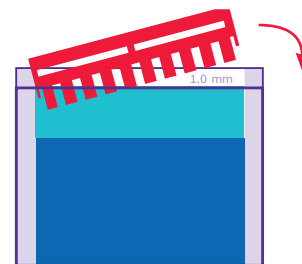
4. Add Stacking Gel

Using a serological pipette, slowly add stacking gel solution until reaching top of the shorter glass plate.



5. Allow to Polymerize

Insert comb and allow gel to polymerize, 1 hour.



Volumes Required To Cast One Mini Gel

Important: For 0.75 and 1.5 mm gels, multiply 1 mm volumes by multiplication factor.

Mini Gel Thickness	1 mm					0.75 mm Multiplication Factor	1.5 mm Multiplication Factor
	Resolving Gel				Stacking Gel		
Gel percentage	8%	10%	12%	15%	4%		
TurboMix™ Resolving Solution	2.4 mL	3 mL	3.6 mL	4.5 mL	N/A	0.75	1.5
TurboMix™ Stacking Solution	N/A	N/A	N/A	N/A	2 mL	0.75	1.5
D.I. water	3.6 mL	3 mL	2.4 mL	1.5 mL	N/A	0.75	1.5
10% APS	30 µL	30 µL	30 µL	30 µL	20 µL	0.75	1.5
TEMED	3 µL	3 µL	3 µL	3 µL	2 µL	0.75	1.5

Notice

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

The information in this document is subject to change without notice and should not be construed as a commitment by the manufacturing or selling entity, or an affiliate. We assume no responsibility for any errors that may appear in this document.

Contact Information

For the location of the office nearest you, go to SigmaAldrich.com/offices.

Technical Assistance

Visit the tech service page on our web site at SigmaAldrich.com/techservice.

Standard Warranty

The applicable warranty for the products listed in this publication may be found at SigmaAldrich.com/terms.

MilliporeSigma, TurboMix and Sigma-Aldrich are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources.
© 2020 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved.

The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the U.S. and Canada.

**MILLIPORE
SIGMA**