T-Pro EZ Gel Solution 10%

Store at RT

(JB02-B010S) 100 ml
(JB02-B010M) 500 ml

T-Pro Biotechnology

This product is for laboratory research ONLY and not for diagnostic use.

Product Overview	T-Pro EZ Gel Solution is "ready-to-run" SDS polyacrylamide solutions polymerize into an advanced molecular sieve for the electrophoretic separation of proteins. Because of the advanced buffer chemistry used in the gel matrix solution, T-Pro EZ Gels allow a single separating gel. No stacking gel is required, as the T-Pro EZ Gel Solution proprietary formulation inherently stacks the protein samples during the normal electrophoresis run. Band resolution is unparalleled over a molecular range of 10 to 250 KDa. The new hybrid formulation of T-Pro EZ Gel Solution gives these gels an increased gel strength, which allows for easier handling. T-Pro EZ Gel Solution will work with all types of universal electrophoresis apparatus. Our gel mixtures are formulated for optimal performance in mass spectrometry-based proteomics experiments.
Features	● High gel strength - allows easier handling. ● Ready to use in less than 10-15 minutes - just add TEMED and APS to polymerize the gel. ● No stacking gel required - permits longer gel separations ● High resolution gels for protein separation across a broad molecular weight range.
Research Applications	SDS-PAGE separation of proteins Biomarker separation Recombinant protein purity analysis
Procotol	For 10mL of T-Pro EZ Gel Solution 1) Add 10µL TEMED and gently mix solution for even distribution. 2) Add 100µL 10% APS and gently mix solution for even distribution. 3) Pour the gel solution into gel cartridge to the top of the short plate. 4) Add the comb. 5) Allow to sit for approximately 10-15 minutes for polymerization. *For larger or smaller volumes adjust the amount of T-Pro EZ Gel Solution, TEMED, and APS added
Storage	T-Pro EZ Gel Solution is stable for RT

Casting preparation volumes

8*10 cm	0.75 mm (n = gels)		1.0 mm (n = gels)		1.5 mm (n = gels)	
Mini gel	Stacker	Resolver	Stacker	Resolver	Stacker	Resolver
T-Pro EZ Gel Solution	0.75 ml x n	4 ml x n	1 ml x n	6 ml x n	1.5 ml x n	8 ml x n
ddH_2O	0.75 ml x n	—	1 ml x n	—	1.5 ml x n	—
Total volume	1.5 ml x n	4 ml x n	2 ml x n	6 ml x n	3 ml x n	8 ml x n
TEMED	1.5 µl x n	4 µl x n	2 µl x n	6 µl x n	3 µl x n	8 µl x n
10 % APS	15 µl x n	40 µl x n	20 µl x n	60 µl x n	30 µl x n	80 µl x n

10*10 cm	0.75 mm (n = gels)		1.0 mm (n = gels)		1.5 mm (n = gels)	
Mini gel	Stacker	Resolver	Stacker	Resolver	Stacker	Resolver
T-Pro EZ Gel Solution	1 ml x n	6 ml x n	1.25 ml x n	8 ml x n	1.5 ml x n	10 ml x n
ddH_2O	1 ml x n	—	1.25 ml x n	—	1.5 ml x n	—
Total volume	2 ml x n	6 ml x n	2.5 ml x n	8 ml x n	3 ml x n	10 ml x n
TEMED	2 µl x n	6 µl x n	2.5 µl x n	8 µl x n	3 µl x n	10 µl x n
10 % APS	20 µl x n	60 µl x n	25 µl x n	80 µl x n	30 µl x n	100 µl x n

TGS Running buffer conditions for T-Pro EZ Gel Solution

	50V Low voltage	**100V Standard**
Run time	90-120 min	60-90 min

MOPS/SDS Running buffer conditions for T-Pro EZ Gel Solution

	100V Low voltage	**200V Standard**
Run time	60-90 min	25-35 min

*When running 1-2 gels in the electrophoresis system, do not leave the companion module in the tank.

*Do not run different gel types (chemistry) or percentages in the same tank at the same time.

*Do not use acid or base to adjust pH of running buffer (MOPS or TGS).