



Precast Gel for Mini PROTEAN® Tetra Cell

10 wells, 30 μ l/well Store at 2 - 8 °C DO NOT FREEZE

Gel Size: 8.6 x 6.8 x 0.1 cm Cassette Size: 10 x 8 x 0.46 cm

Instructions for electrophoresis of Tris - Glycine Gel using the Mini PROTEAN® Tetra Cell

Protein Electrophoresis

	<i>Reagent</i>	<i>Reduced Sample</i>	<i>Non-reduced Sample</i>
Prepare Sample Mixture	Sample	x μ l	x μ l
	Tris SDS Sample Buffer (2X)	15 μ l	15 μ l
	Reducing Agent (10X)	3 μ l	--
	Deionized Water	12 - x μ L	15 - x μ L
	Total Volume	30 μ L	30 μ L

Heat samples at 85°C for 2 minutes

Prepare 1X Run Buffer
Load Sample
Fill Mini-Cell

Add 2 Pouches of Tris-Glycine SDS **SingleShot** Buffer Pack to 1000 mL de-ionized water to prepare 1X Tris-Glycine SDS Running Buffer.

Load 10 – 30 μ l of above sample mixture on each well.

Fill the Upper Chamber with 150 mL each and the Lower Buffer Chamber with 700 mL of 1X Tris-Glycine SDS Running Buffer.

Running Conditions

Voltage: 200 - 300 V constant

Run Time: 20 - 30 minutes (dependent on gel percentage)

Expected Current: 50 – 80 mA/gel (start); 40 – 70 mA/gel (end)

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