



Precast Gel for XCell SureLock® Mini Cell

10 wells, 50 µl/well Store at 2 - 8 °C DO NOT FREEZE
Gel Size: 8 x 8 x 0.1 cm Cassette Size: 10 x 10 x 0.6 cm

Instructions for electrophoresis of Tris - Glycine Gel using the XCell SureLock® Mini-Cell

Protein Electrophoresis

Prepare	Reagent	Reduced Sample	Non-reduced Sample
Sample	Sample	x µl	x µl
Mixture	Tris SDS Sample Buffer (2X)	15 ul	15 µl
	Reducing Agent (10X)	3 ul	--
	Deionized Water	12 - x µL	15 - x µL
	Total Volume	30 µL	30 µL

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 µl of above sample mixture on each well.

Fill the Upper Buffer Chamber with 200 mL and the Lower Buffer Chamber with 600 mL of 1X Tris-Glycine SDS Running Buffer.

Running
Conditions

Voltage: 200 - 300V constant

Run Time: 30 - 50 minutes (dependent on gel percentage)

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

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